Company Qualifications Document

Al Hammam Company
شـــركة ال هـــمـــام

Table of Contents

Section Topic

Introductions Managing Director's Foreword
General Manager's Annual Address
Corporate Vision, Mission & Quality Statement

Section 1.0 CORPORATE & MANAGEMENT ORGANIZATION
- **1.1 Group-wide Telephone Contact List**
- **1.2 Executive Management Chart**
- **1.3 to 1.7Corporate Affiliation Charts**
- **1.8 Regional Management Structure**
- **1.9 to 1.18 Company and Project Organization Charts**
- **1.19 Key Personnel Listing**
- **1.20 Key Personnel Resumes**

Section 2.0 COMPANY CAPABILITIES & PAST EXPERIENCE
- **2.1 Group Service Matrix**
- **2.2 General Construction & Special Installation Works**
- **2.3 Communications**

Section 3.0 FINANCE & ADMINISTRATION DEPARTMENT
- **3.1 Department Overview**
- **3.2 Organization Chart**
- **3.3 Employee List**
- **3.4 Site Construction Personnel**
- **3.5 Personnel Distribution Charts**
- **3.6 Summary of Recruitment Capabilities & Affiliations**
- **3.7 Finance & Admin Policies**

Al Hammam Company
شركة ال همام

Table of Contents

Section Topic

Section 4.0 EQUIPMENT & FACILITIES DEPARTMENT
- 4.1 Company Construction Equipment List
- 4.2 Computer & Software Resources
- 4.3 Office & Lay-down Facilities
- 4.4 Accommodations
- 4.5 Location Maps

Section 5.0 QUALITY ASSURANCE & QUALITY CONTROL
- 5.1 Department Overview
- 5.2 Organization Chart
- 5.3 QA/QC Manual

Section Topic

Section 6.0 HEALTH, SAFETY & ENVIRONMENT DEPARTMENT
- 6.1 Department Overview
- 6.2 Organization Chart
- 6.3 HSE Manual
- 6.4 Safety Awards & Certifications

Section 7.0 ENGINEERING DEPARTMENT
- 7.1 Department Overview
- 7.2 Organization Chart
- 7.3 Department Employee List

Section 8.0 PROJECT CONTROLS DEPARTMENT
- 8.1 Department Overview
- 8.2 Organization Chart
- 8.3 Procedures & Sample Reports
- 8.4 Primavera Schedule – Saudi Aramco Accepted Sample

Section 9.0 PROCUREMENT DEPARTMENT
- 9.1 Department Overview
- 9.2 Product Representation Matrix
- 9.3 Organization Chart
- 9.4 Employee List
- 9.5 Purchasing Activity Summary
- 9.6 Procurement Manual
- 9.7 Flow Charts

Table of Contents

Section Topic

Section 10.0 GOVERNMENT LICENSING & FINANCIAL REFERENCES

- **10.1 Zakat Certificate**
- **10.2 Commercial Registration (s)**
- **10.3 Chamber of Commerce Registration (s)**
- **10.4 Banking References**
- **10.5 Financial Analysis (Trend & Ratio Analysis) -**
- **10.6 Financial Statements**

FOREWORD

Al-Hammam Group (AHG), which is comprised of Al-Hammam Co. (AHC), Al-Hammam Murray Telecom Company Ltd. (AHMT), Hadi M. Al-Hammam Trading & Contracting (HMH), International Technical Supplies & Services (ITSS), World-Wide Safety Services (WSS), Arab National Cooperative Insurance Company, Jiangsu Oil Exploration Corporation (JOECO) and Aban India; is dedicated to providing it's client with the highest quality service available in each Company's respective Industry. It is our common goal of providing this level of excellence to our clients that unites all of our Companies and instills a sense of self worth, high employee morale and a customer perception of market permanence. We will continue to strive forward to ensure that our products and services are at all times delivered with quality and customer satisfaction

Al-Hammam Company (AHC) has received many awards for Quality and Safety. Recently, the company was awarded a 3 Million Safe Man-Hour award and commended on completion of its projects to the new Schedule "Q", Saudi Aramco Quality Management Standard.

Al-Hammam Murray Telecom Company (AHMT), a joint venture between Al-Hammam Company and Murray Telecom International, is a leader in the telecommunications industry. Murray Telecom is BS5750 registered (ISO 9002). This quality registration has been held since 1992 and has led the Al-Hammam Group mission of providing Top Quality Management throughout its operations.

Hadi M. Al-Hammam Trading & Contracting Company (HMH) represents more than 200 manufacturers worldwide in the fields of civil, mechanical, electrical, instrumentation materials and equipment. HMH has the ability to procure from 26 different countries worldwide through partners and parent company relationships.

The group is continually seeking strategic partnerships for technology transfer projects. We truly believe that these partnerships are the basis for achieving our longterm goals and objectives.

The Board of Directors fully supports its management teams and stresses quality as one of the main goals within each of its company's objectives.
We look forward to the opportunity to serve your organization in the near future.

Nasser M. Al-Hammam
President

Annual address

Al-Hammam Group (AHG) is truly "a building force". Since its modest beginnings as a general contractor over (2) decades ago, the group has transpired into a trusted partner of major industry providing valuable services and technology. We have successfully and consistently participated in the nation Technology Transfer requirements for the past decade, being first to introduce new means and methods resulting in cost savings, safer working environments, increased efficiency and reduced down time.

Al-Hammam Murray Telecom. Co. (AHMT) was the first non-manufacturing entity to introduce Fiber Optic Splicing technology in 1990. AHMT was the first to introduce modular splicing technology, whereby we trained STC personnel (previously MOPTT) on fiber and copper cable splicing methods resulting in an increase in productivity three (3) times their previous standard.

Al-Hammam Company (AHC) was the first to introduce high-pressure water cutting (up to 36,000 psi) and Hydro-demolition technology, which played an important role at Saudi Aramco Qurrayah Sea Water Injection Facilities ensuring the flow of seawater to the oil fields was not disrupted while under major repair.

Our joint venture partner, Aban, was the first to introduce non North American drilling rigs into Saudi Aramco and currently they have five (5) rigs working throughout Saudi Arabia and one (1) in Qatar.

Al-Hammam has been a leader in many areas over the past decade through a combination of a clearly defined Vision, Proactive Decision Making, Creative Management, Innovative Thinking, Consistent Reporting, Quality Input, EffectiveContract Administration, Execution and Marketing. These attributes have enabled the company to realize its five (5) year plans consistently for the past decade. The owners and management of Al-Hammam Group are committed to realizing its vision by becoming your first choice over the next decade.

Sincerely,

David Dannaker
General Manager

Introduction

The group employs more than 1,200 direct and 400 indirect hired employees. Through our Joint Ventures and Affiliate Partnerships, we have access to more than 200 engineers for our short and long-term requirements. Our recruitment abilities are supported using an up to date database consisting of more than 20,000 resumes of prospective applicants for all applicable professions and industries from more than twenty six (26) different countries. The combination of our partnerships and affiliations allows us to access and exploit opportunities in other nation markets, due to economic downturn which lead to savings on labor, equipment and materials. Currently, we have representative offices in the United States, Canada, Mexico, Argentina, Philippines, India, South Africa, China, England and Ireland.

The Al-Hammam Group consists of the following Business Lines:

1. Professional Services Group (PSG)
"Providing professional world-wide Recruitment services; and Consultation for Process Safety Analysis, Training, OSHA Certifications and Internal Quality Auditing"

2. Construction & Maintenance
"Providing maintenance personnel and plant machinery, including heavy equipment, transport and cranes & providing construction services for Mechanical, Electrical and Instrumentation erection and installation, including testing and commissioning"

3. Operation Support Group (OSG)
"Providing support to industry through the supply of professional operations"

4. Industrial Trading & Commerce (ITC)
"Providing sales and technical support for industrial spare parts, mechanical and electrical products, as well as bulk sales of construction materials"

5. Investment & Promotions Group (IPG)
"Providing financial investment advice to all companies, departments and units within the Group. Develops Cap-Ex plans required to meet corporate objectives. Also, provides insurance services through subsidiary company, Arab National Cooperative Investment Company for personnel injury, life, auto & project insurance requirements within local and International Markets"

Business lines are managed by Executive Officers of the company, ensuring proper leadership and consistent business practices. The executive officers are supported by the Operation Managers who handle the daily operations of the company within the business lines.

This structure allows us to implement one corporate policy of decentralized management structures, allowing each Executive Officer to delegate authority for handling his business line.

VISION STATEMENT

Al-Hammam is a Heavy Construction and Trading Company providing Civil, Mechanical and Electrical construction expertise, materials and specialized equipment to the Oil, Gas, Power and Water Industries. It is our vision to become one of the few 100% Saudi owned companies financially and technically capable of competing within international markets throughout the Gulf Region of the Middle East. Our vision is driven by the need to be ranked within the top 100 Saudi companies in terms of gross revenue.

At Al-Hammam Company, we set our goals beyond the reach of our competition with the vision of becoming a market leader capable of delivering new products and improved services, which results in the direct reduction of costs, waste, inefficiencies and provides an overall positive impact for our customers, our local community and our surrounding environment; thus ensuring our position as a conscientious Corporate citizen.

MISSION STATEMENT

It is the Al-Hammam Management mission to create an achievable balance between Company, Client and Employee that enables us to equally thrive, while contributing to our overall corporate vision.

Each day, the management shall strive to reach the company's vision through the successful implementation of the following management tools, as a minimum:

- Effective Budgetary Planning and Compliance
- Employee Welfare and Personal Development
- Regular Management Performance Evaluation
- A Decentralized Regional Management Structure
- Efficient Asset Management and Resource Utilization

QUALITY STATEMENT

Al-Hammam Group is committed to providing quality services and products that meet the expectations established by our customer's standards, specifications and contract requirements.

To achieve this objective we have established and will maintain an efficient and effective Quality System that meets the requirements of ISO 9002:1994. The management confirms its dedication and commitment to quality through continuous review for improvements made
to our quality system.

Management is aware of the need for all levels within the company to fully understand and commit to the quality policies and procedures. Management further confirms it shall take necessary measures to ensure that these policies and procedures are understood, implemented and maintained by every employee within the organization. All personnel throughout the company are expected to demonstrate their commitment to quality through their workmanship, procedural problem identification and a positive attitude towards
ensuring that this policy is implemented daily.

This quality policy shall be displayed at prominent locations as a symbol of our commitment to quality.

CORPORATE
&
MANAGEMENT ORGANIIZATIION

1.1 Group-wide Telephone Contact List

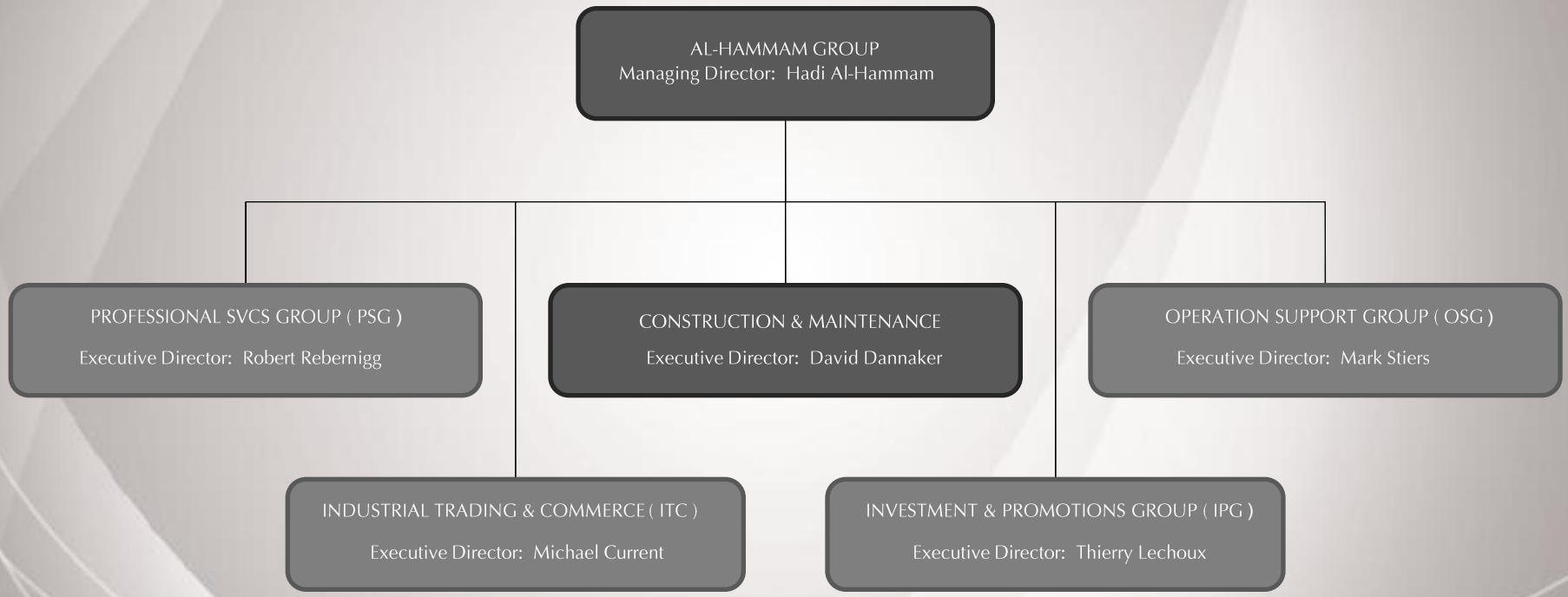
Telephone No's.	:	**00966-3-667 0729/667 2715 / 667 0619**
Fax No's.	:	**00966-3-667 2719 / 667 3344**
E-mail	:	**info@alhammam.com**
Website	:	**www.alhammam.com**

3. Key Contact No's.:

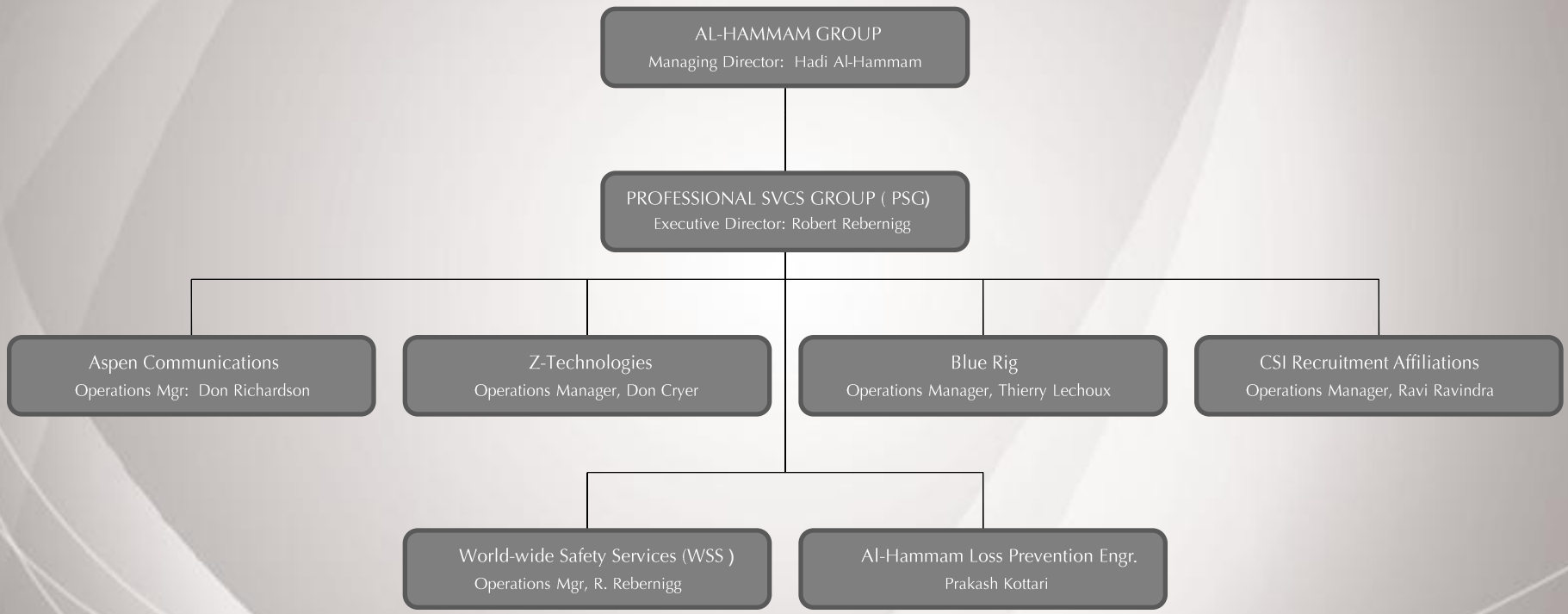
Sl #	Name	Title	Ext.	Mobile No.
1	Nasser M. Al-Hammam	President	123	
2	Hussain M. Al-Hammam	Vice President	220	
3	Mizan – ur – Rahman	President office Manager	221/202	0555 044 835
4	Dr. Ahmed A. Al-Kechan	Director – Project Management and Engineering Dept.	207	
5	Yasser Taha	Director – Finance Dept.	109	
6	Khalid M. Al-Yaqout	Director – Admin. & HR Department	115	
7	Mohd. Afsar	Manager- Project Management Department	208	
8	P.A. Joy	Manager – Engineering Dept.	223	
9	Krishna Kumar	Sr. Project Manager	210	

Sl #	Name	Title	Ext.	Mobile No.
10	George Joseph	Sr. Project Manager	500	
11	Sujit Mishra	Sr. Project Manager	218	
12	Krishna Pillai	Sr. Project Manager	215	
13	KK Johnson	Finance Manager	111	
14	M.H. Farooqui	Procurement Manager	209	
15	Emil Sarmiento	Admin. & HR Manager	225	
16	Sirajul Islam	Corp. HSE Manager	216	
17	R. Tharagan	Corp. QA Manager	214	
18	Leo Bellado	Corp. QA/QC Manager	213	

1.2 Corporate Affiliation Chart
"Executive Management Chart"

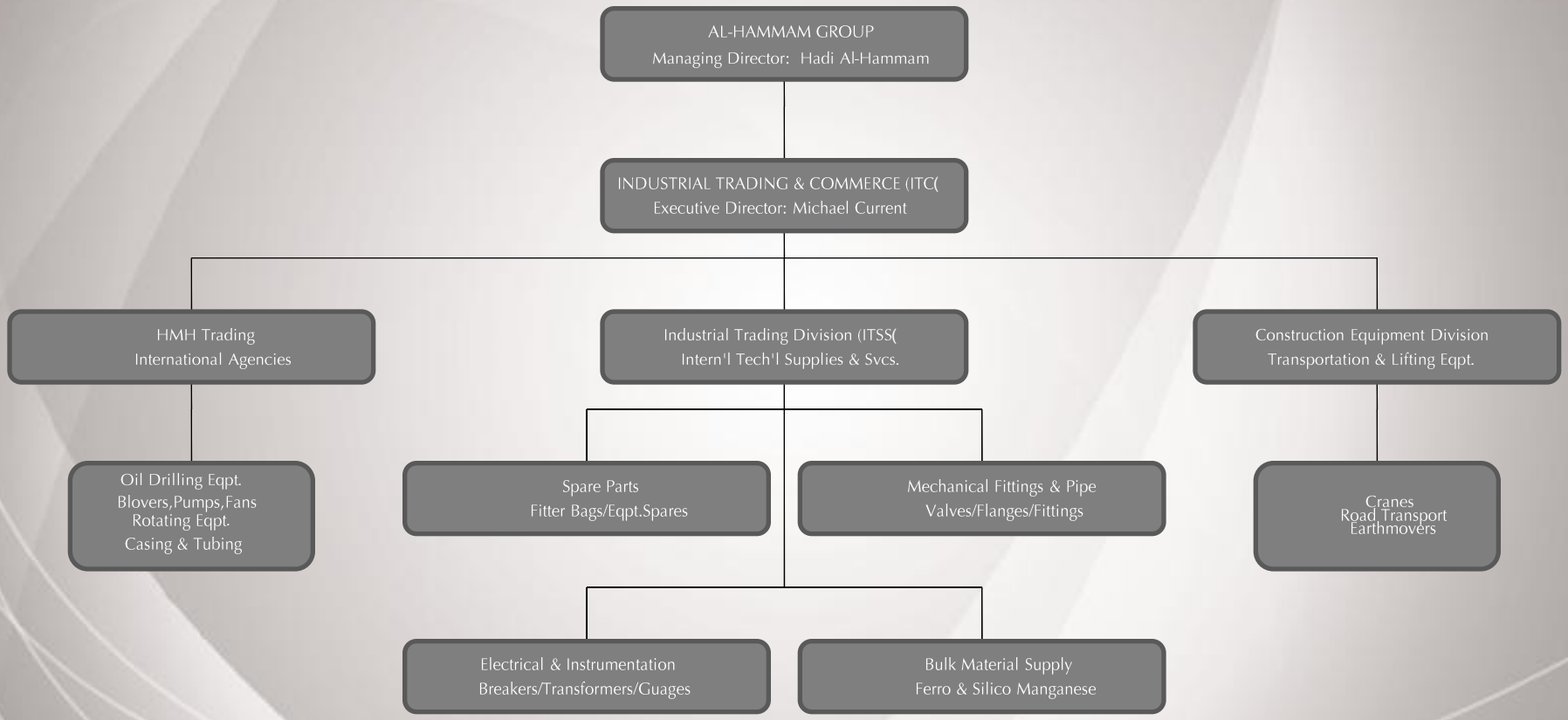


1.3 Corporate Affiliation Chart "Professional Svcs Group (PSG)"



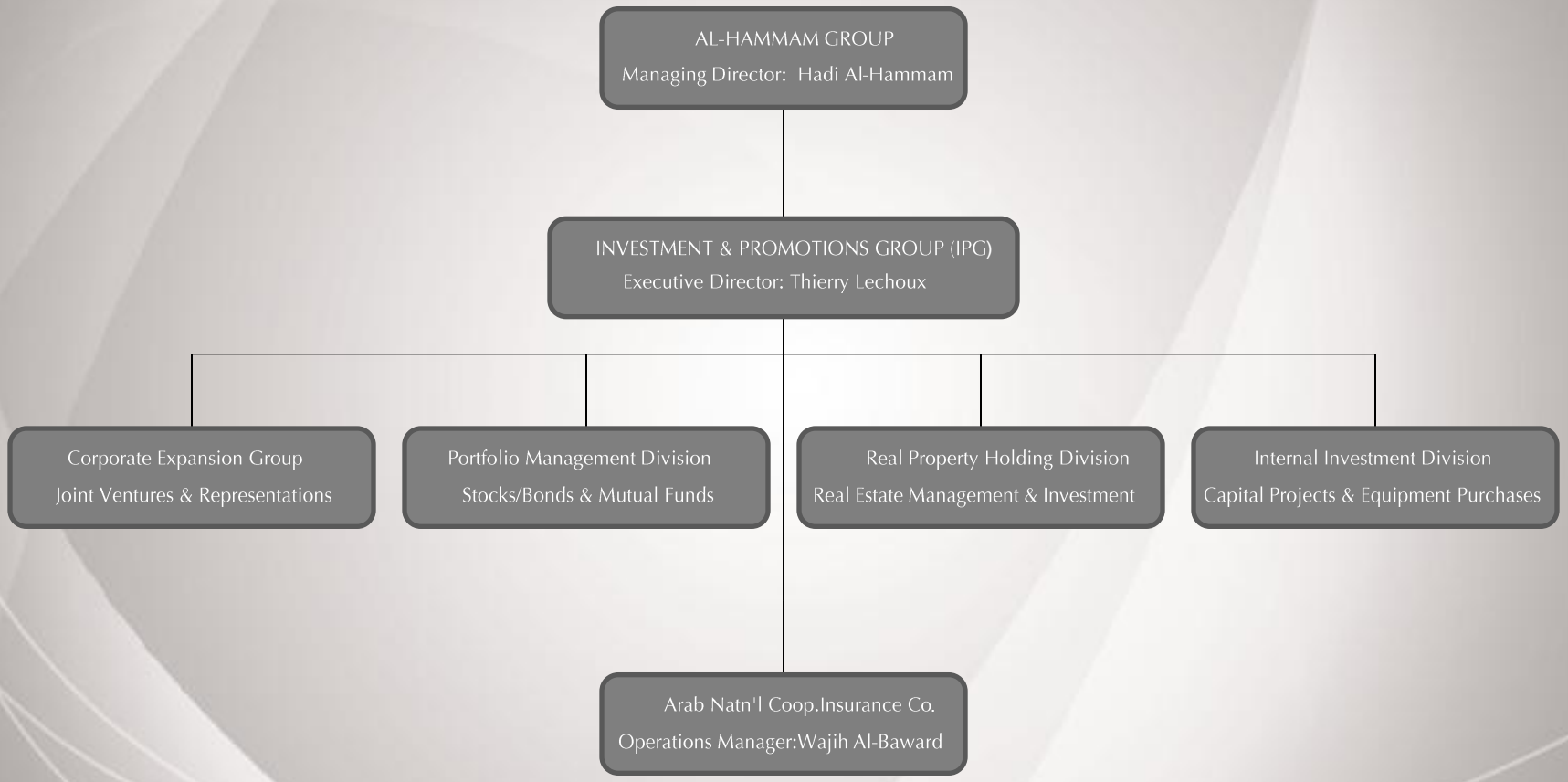
Al Hammam Company
شركة ال همام

1.4 Corporate Affiliation Chart
" Industrial Trading & Commerce (ITC)"

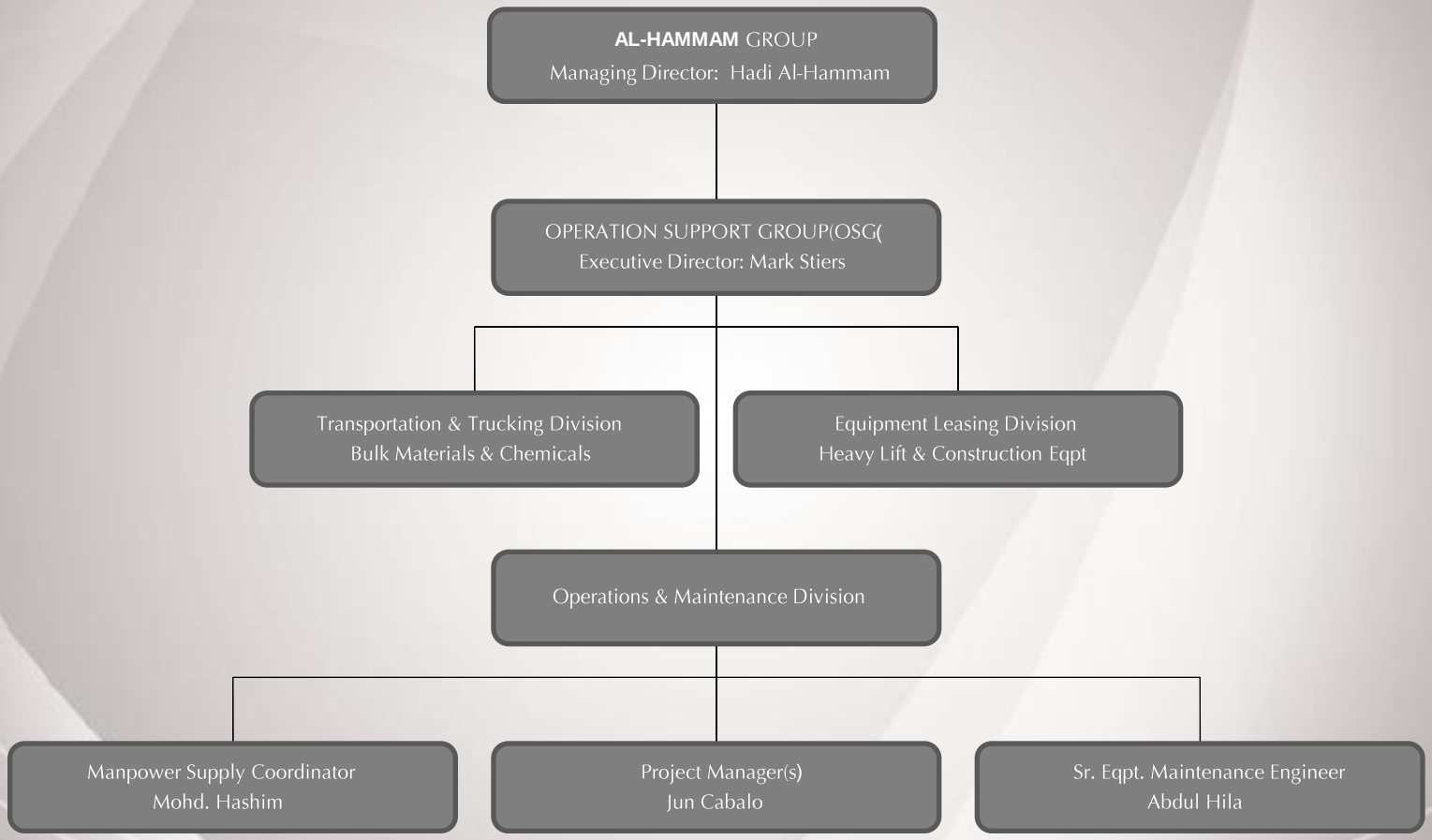


Al Hammam Company
شركة ال همام

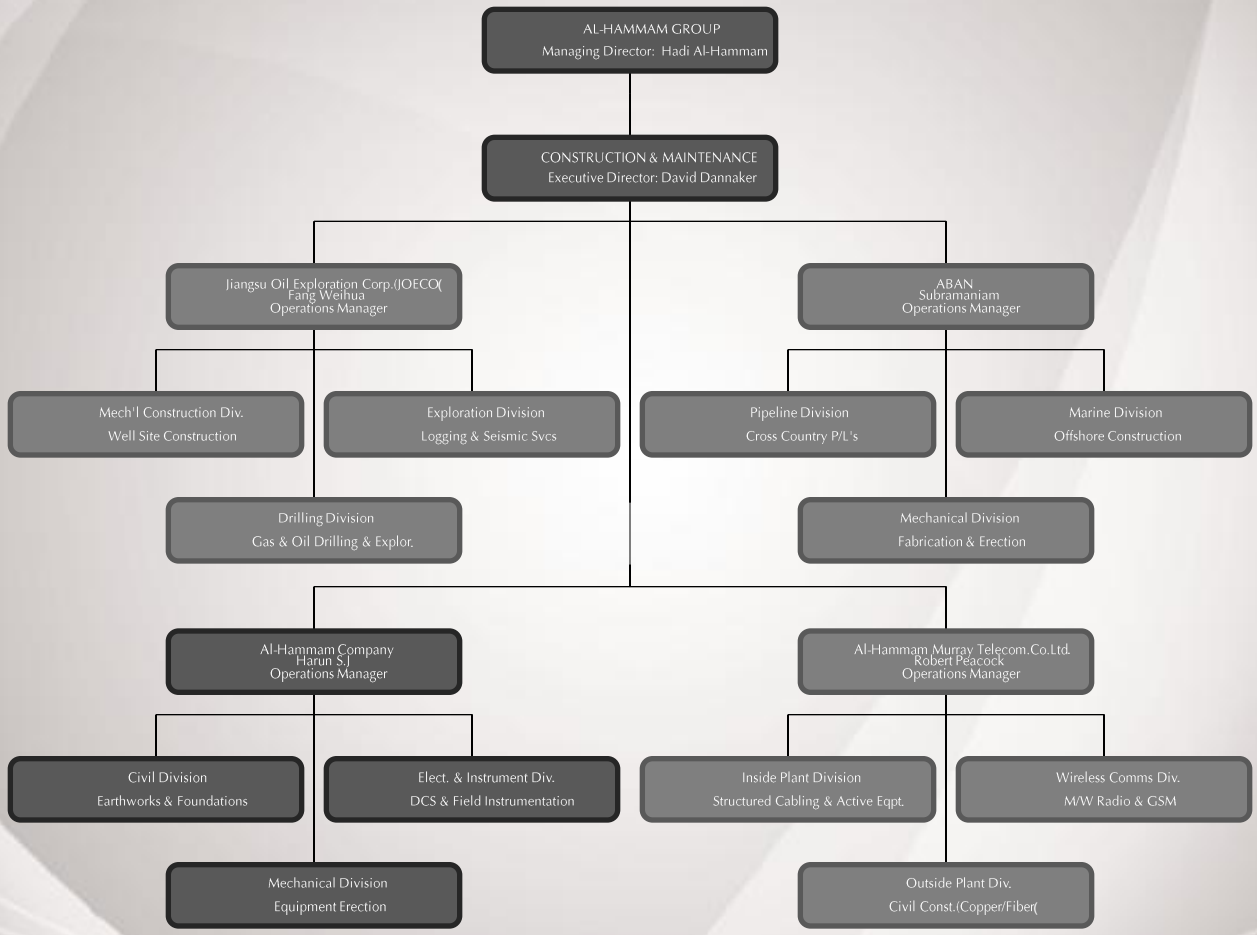
1.5 Corporate Affiliation Chart
" Investment & Promotions Group (IPG)"



1.6 Corporate Affiliation Chart
" Operation Support Group (OSG)"

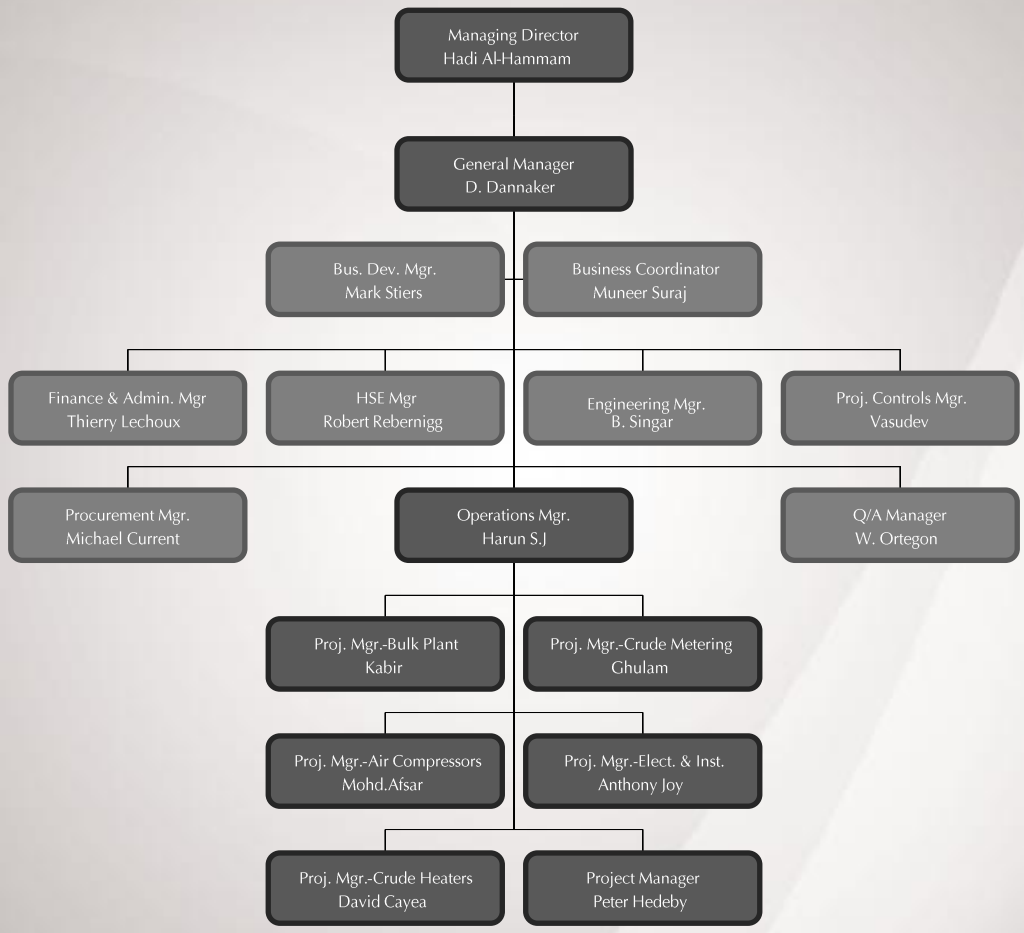


1.7 Corporate Affiliation Chart "Construction & Maintenance"



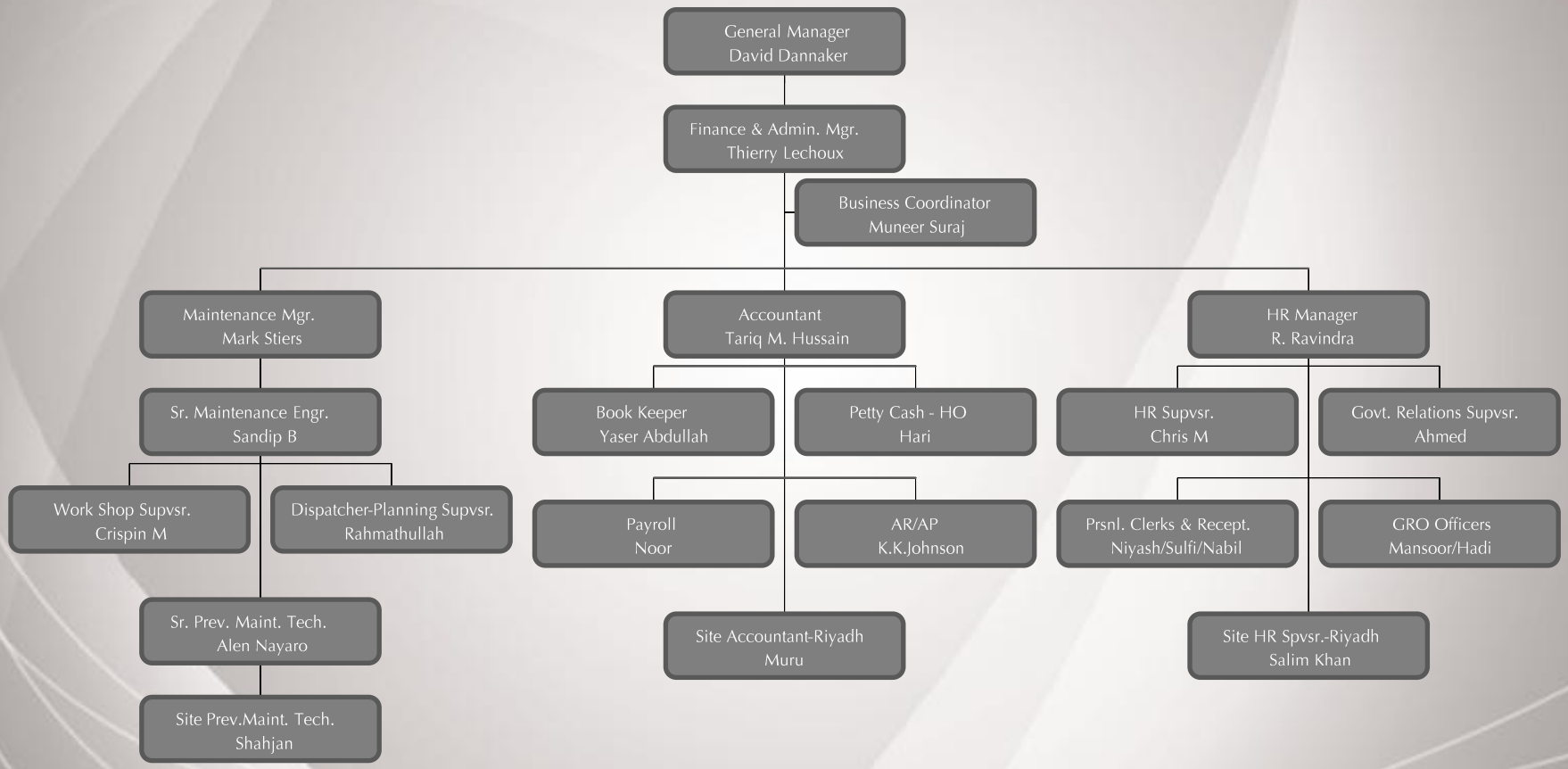
Al Hammam Company
شركة ال همام

1.8 Al-Hammam Company "Management Structure"



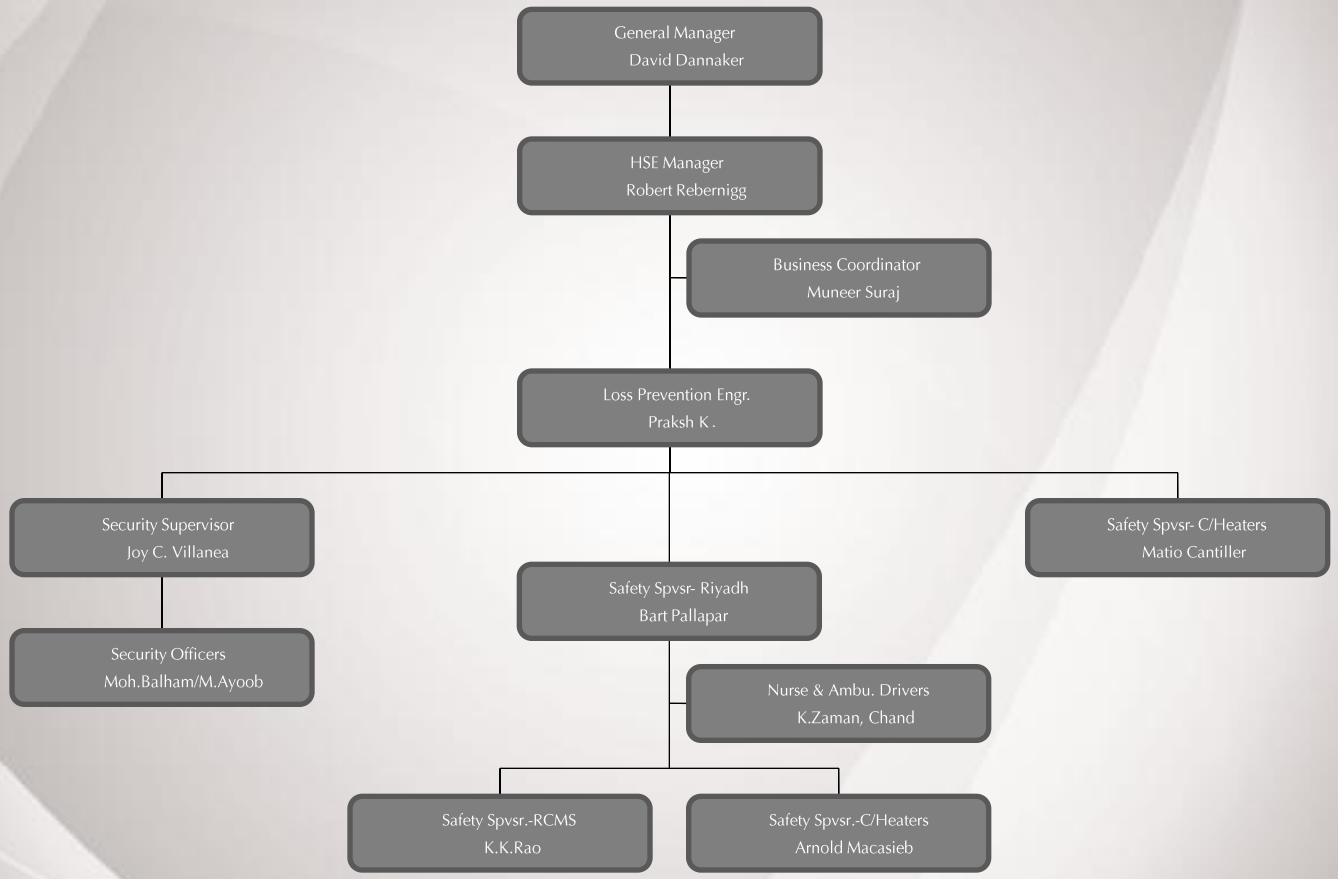
AHC
Al Hammam Company
شركة ال همام

1.9 Al-Hammam Company
"Finance & Administration Department"



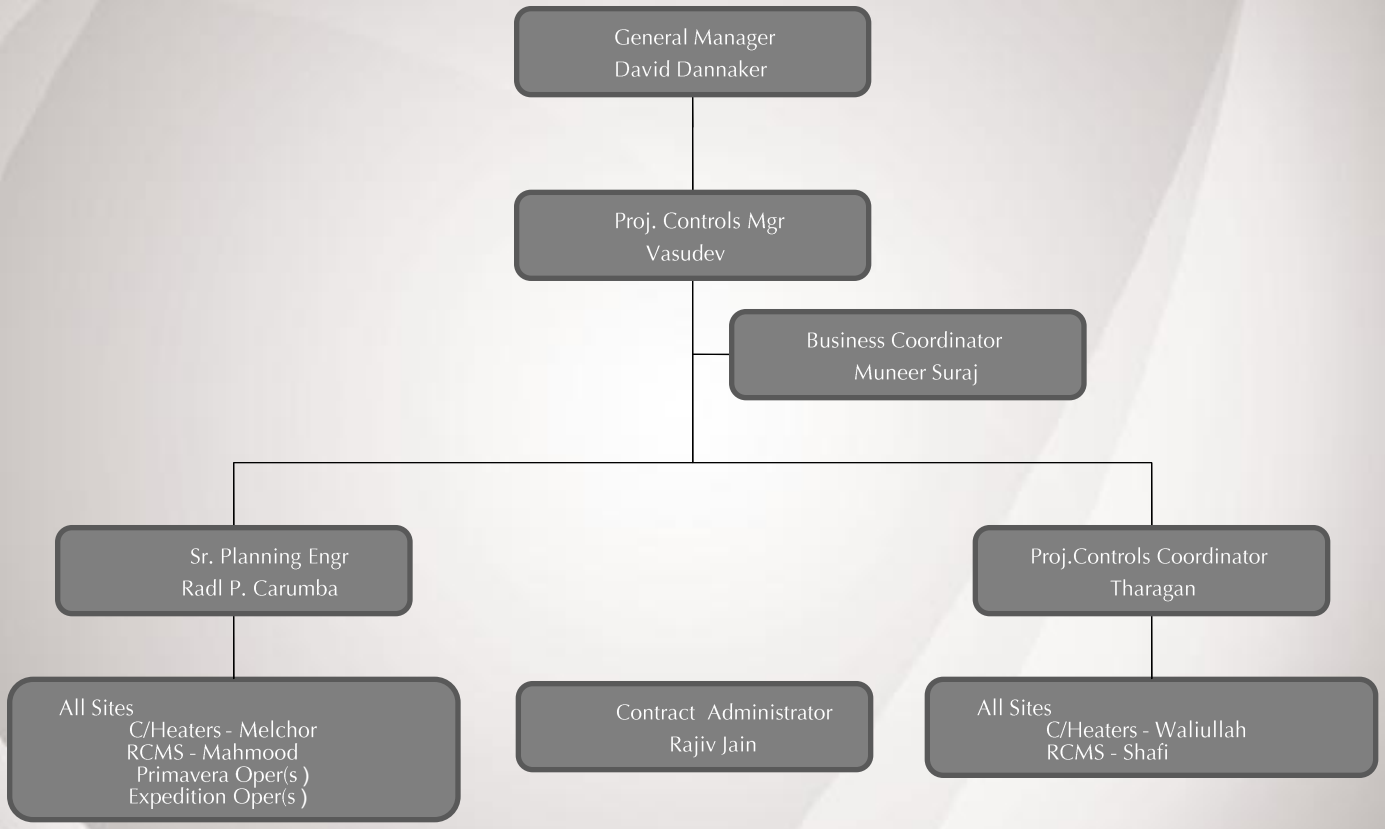
Al Hammam Company
شركة ال همام

1.10 Al-Hammam Company
"Health, Safety & Environment Department"

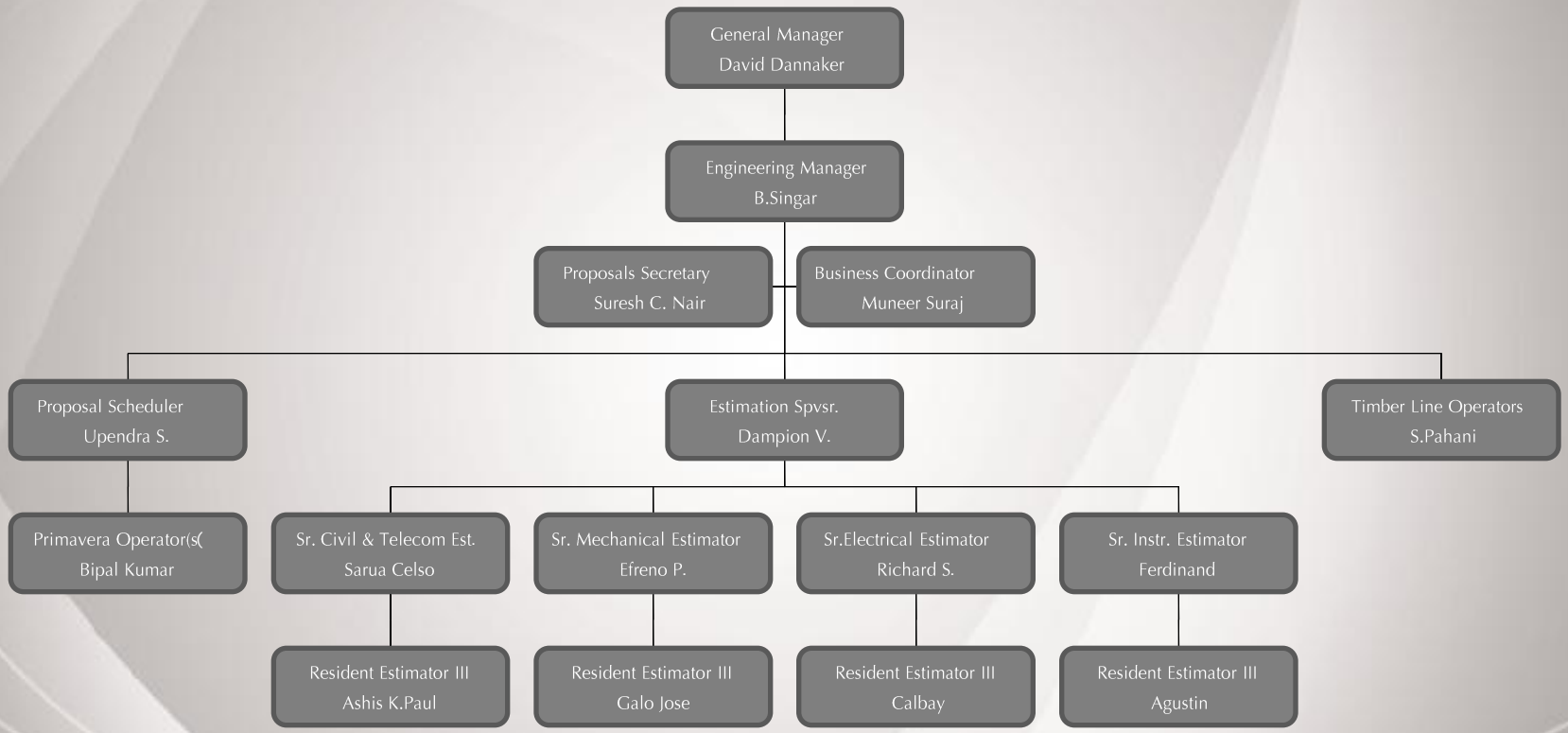


Al Hammam Company
شركة ال همام

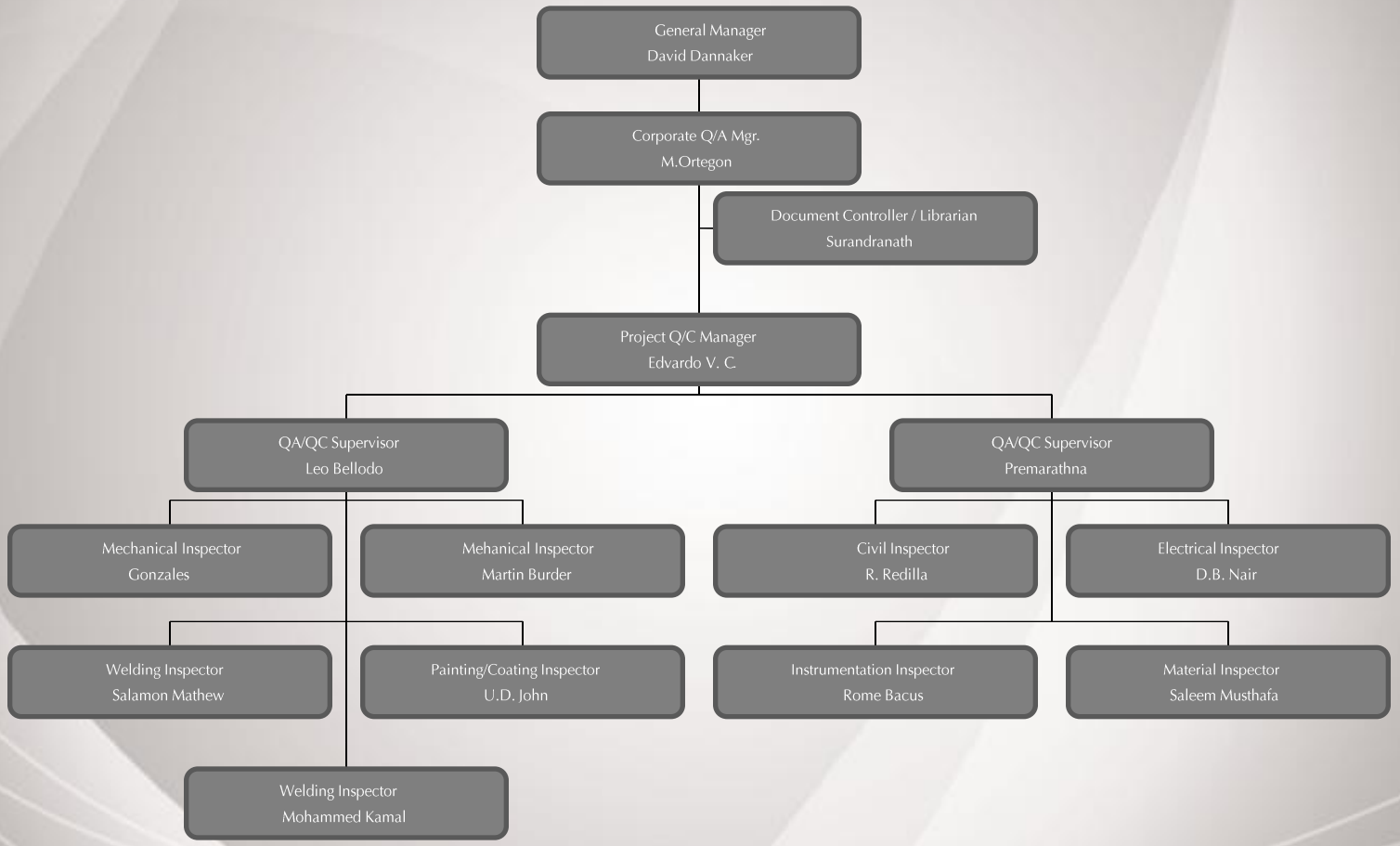
1.11 Al-Hammam Company "Project Controls Department"



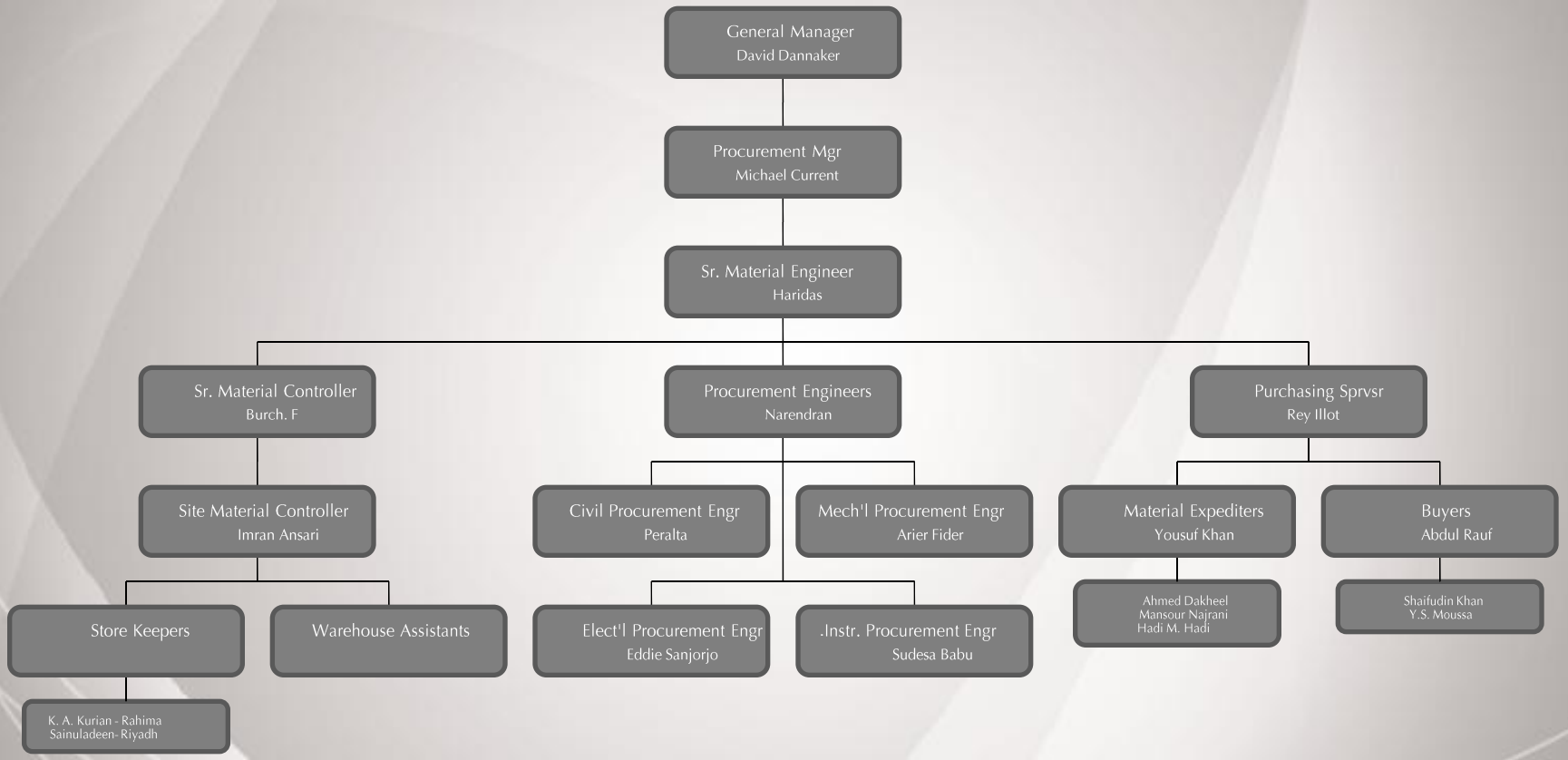
1.12 Al-Hammam Company "Engineering Department"



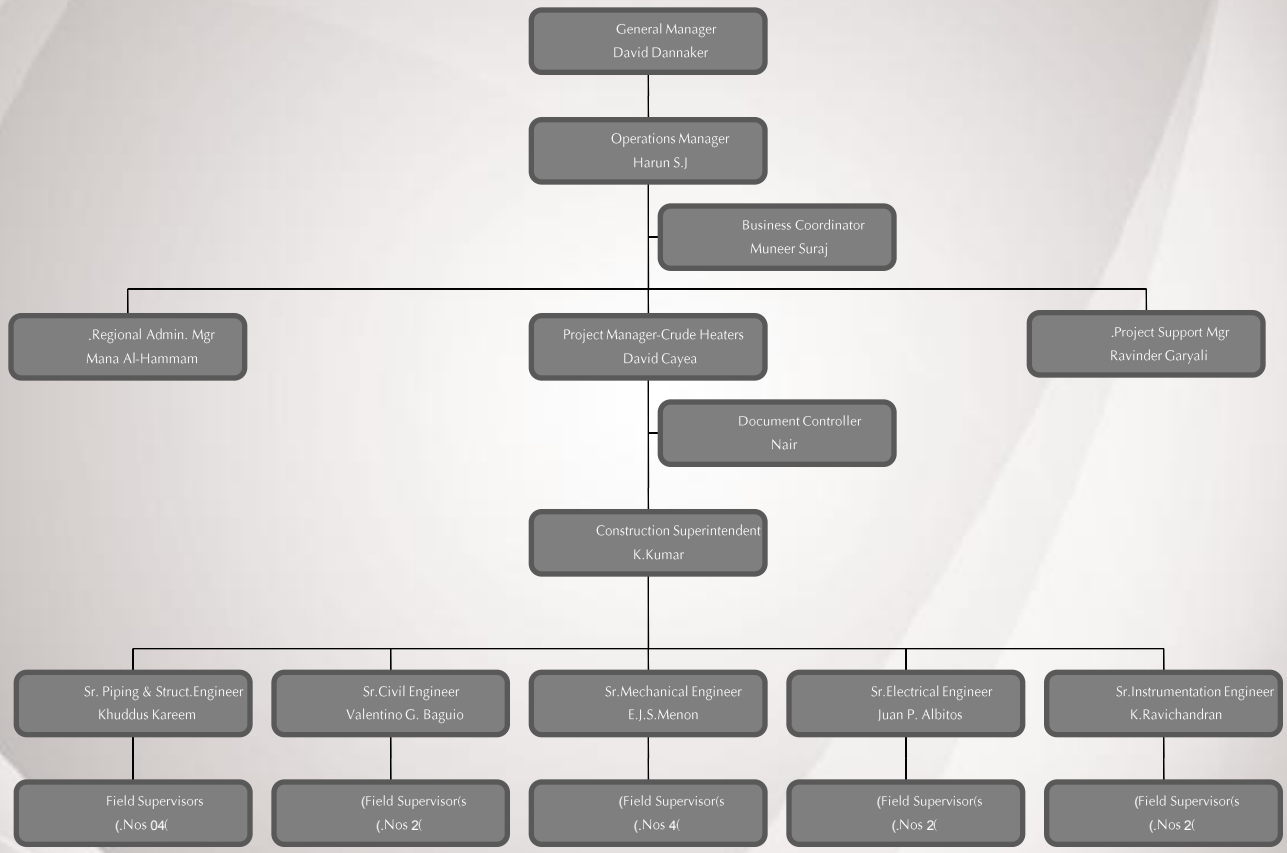
1.13 Al-Hammam Company "QA/QC Department"



1.14 Al-Hammam Company
"Procurement & Purchasing Department"

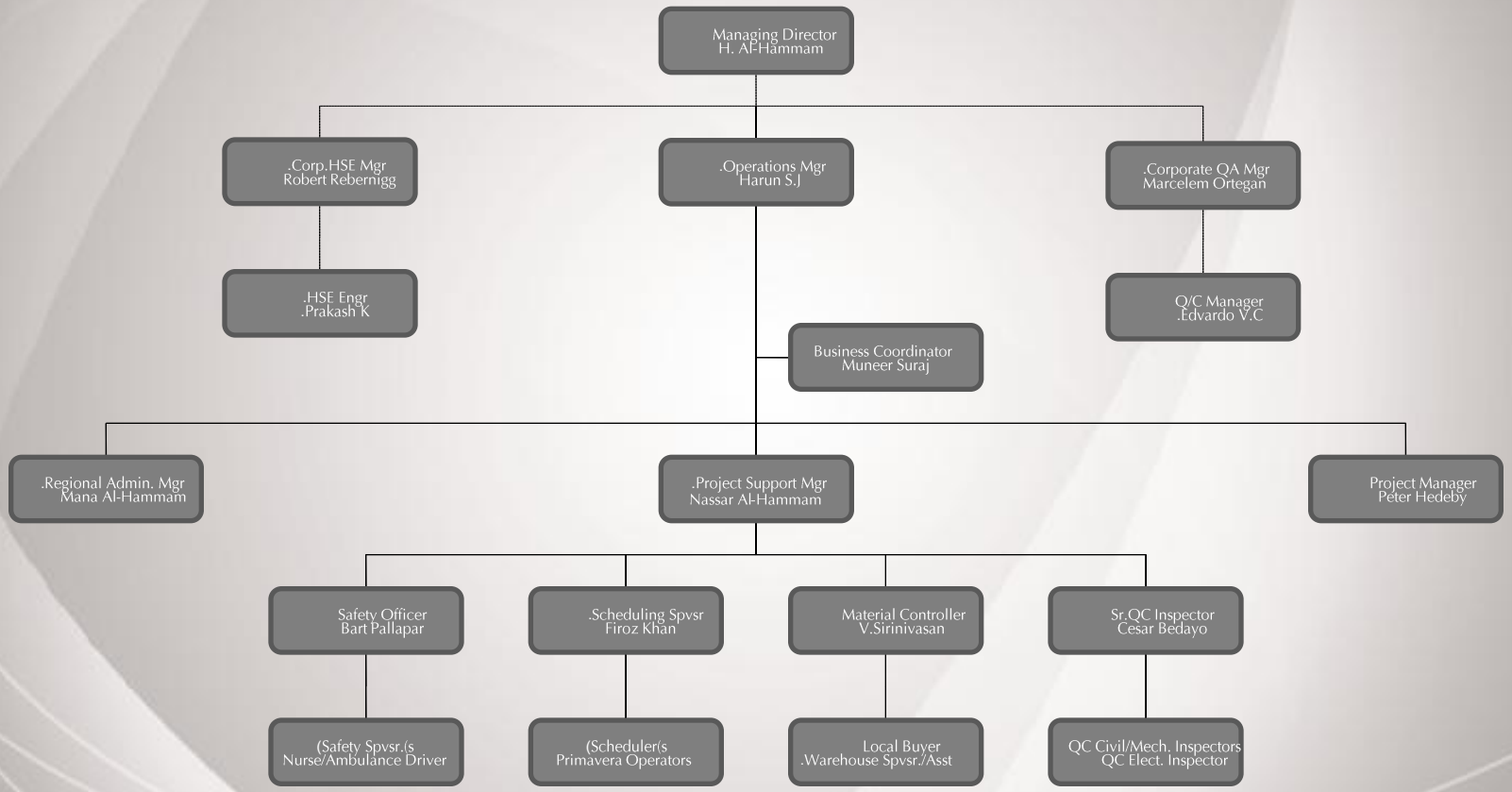


1.15 Al-Hammam Company
"Project Management Department – Riyadh"

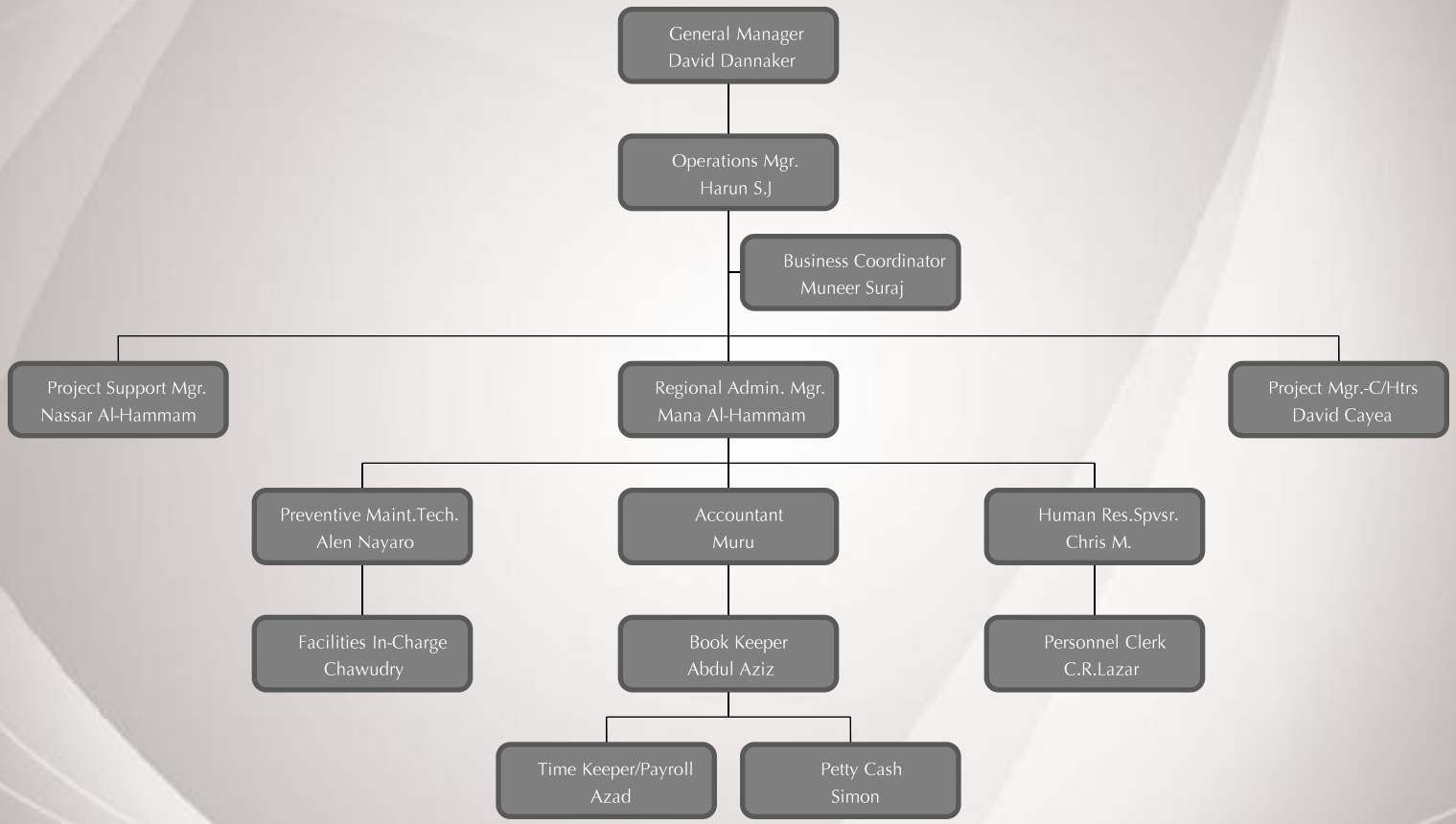


Al Hammam Company
شركة ال هـمـام

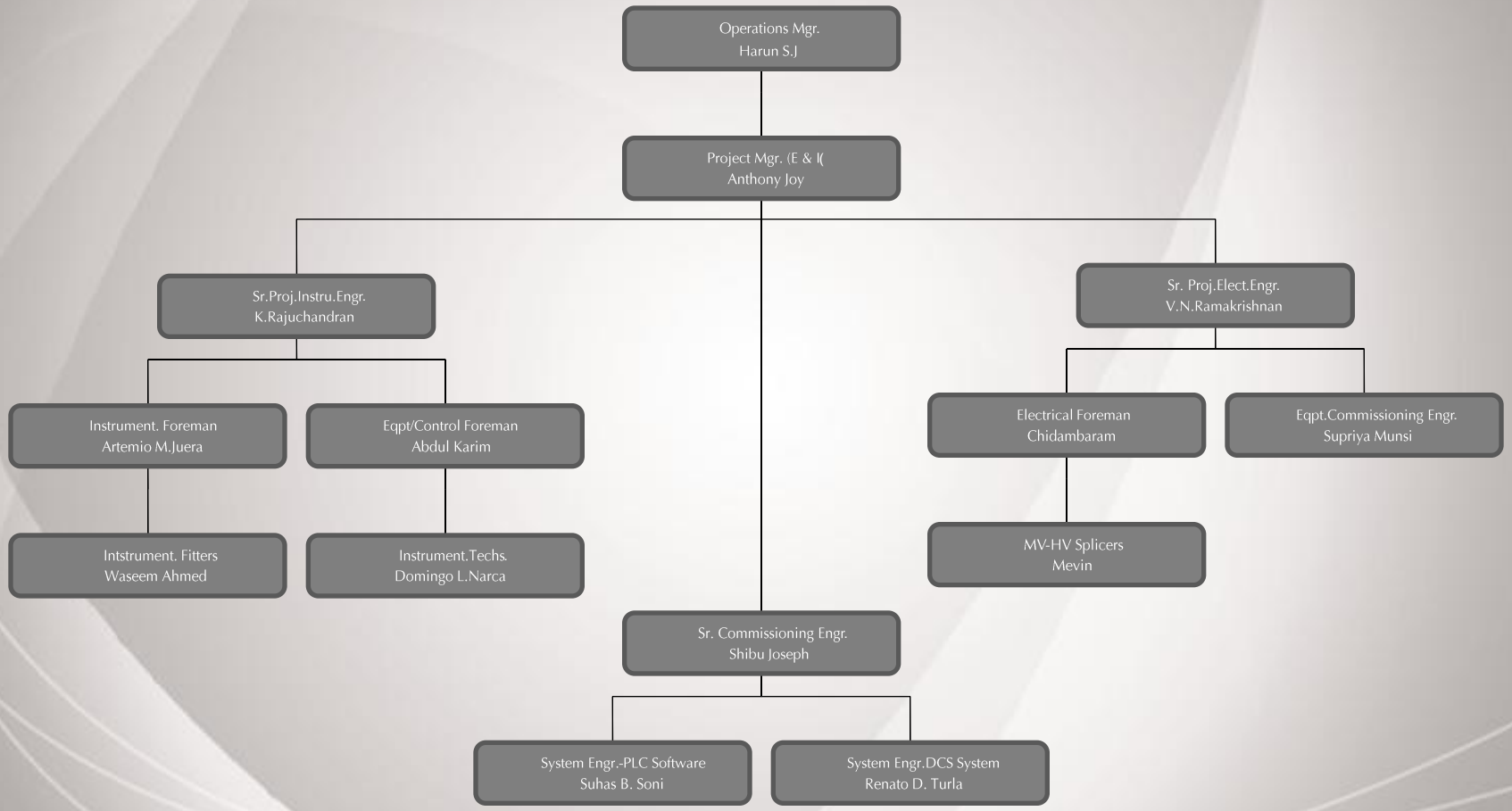
1.16 Al-Hammam Company
"Project Support Department – Riyadh"



1.17 Al-Hammam Company
"Administration Department – Riyadh"



1.18 Al-Hammam Company
"Electrical & Instrumentation Department"



Al Hammam Company
شركة ال همام

1.19 Key Personnel Listing

SR. NO.	POSITION / TITLE	EMPLOYEE NAME
1	Managing Director	Hadi M. Al-Hammam
2	Executive Director	Nasser M. Al-Hammam
3	Finance & Administration Manager	Hussain M. Al-Hammam
4	Human Resources Manager	R.Ravindra
5	Procurement Manager	Mathew Chacko
6	Project Controls Manager	Mohd. Afsar
7	Engineering Manager	B. Singaravelan
8	Health, Safety & Environment Manager	Dr. Robert Rebernigg
9	Maintenance Manager	Mark Stiers

SR. NO.	POSITION / TITLE	EMPLOYEE NAME
10	Operations Manager	Harun S. Jordar
11	Sr. Project Manager	Krishna Kumar
12	Construction Manager	Terry Smith
13	Construction Manager	Karim Bouab
14	Project Manager	David E. Cayea
15	Project Manager- Mechanical	Ghulam
16	Project Manager- E & I's	Anthony Joy
17	Project Manager- Civil	Kabir
18	Business Administrator	Mizan – ur - rahman

We have the ability to recruit highly competent personnel within a short amount of time, due to our extensive recruitment affiliations and resources.

1.20 Key Personnel Resumes

PERSONAL DATA

Name Thierry Lechoux **Nationality:** French

Job Title C.F.O. ***Y*ears with the Company:** 06

EDUCATION

	Type of Schooling/Training	Type of Degree/Certification
Graduate College	IGR Rennes France	MBA Corporate Finance
Undergraduate College	INSA Rennes France	Mechanical Engineer
Technical School		

Brief Description of Responsibilities:

-Accounting, Cash Management, Budgets
-Forecasts
-Enterprise Resource Planning (ERP) System
-Capital expenditures-
-Human Resources

Company : BLUERIG WLL **From:** 2000 **To:** 2002
Position Held : Founder & C.E.O.

Brief Description of Responsibilities:
General Management.

Company : TELUCO SA **From:** 1996 **To:** 2000
Position Held : C.E.O.

Brief Description of Responsibilities

Played key role in growing revenues.
Identified opportunities and built lucrative strategic partnerships and alliances, establishing cost effective opportunities for win-win com-marketing and revenue growth.
Active involvement in the creation and development of German, American Houston Based subsidiaries following commercial successes.
Nominated for Euro challenge Award 1998.

Company : Andersen **From:** 1988 **To:** 1993
Position Held : Senior Consultant

Brief Description of Responsibilities

Participation to implementation, and operation of securities trading and clearance systems for French stock exchange.

- Responsible for bank pilots (IBM).
- Active involvement in monitoring and developing new team members
- Extensive involvement in managing client relationships at all levels.

Company : TOTALFINAELF Emirates **From:** 1982 **To:** 1986
Position Held : Senior Consultant

Brief Description of Responsibilities

Responsibilities include: cost control, planning, inventory and human resources applications. Supply of technical and financial data to management. Control of engineering and vendor data for rotating and mechanical equipment.

PERSONAL DATA

Name	Ramanathan Ravindra	**Nationality:**	Sri Lankan
Job Title	Manager Human Resources	**Years with the Company:**	10

EDUCATION

	Type of Schooling/Training	Type of Degree/Certification
Graduate College:	Institute of Administrative Accounting & Data Processing	Accounting
Undergraduate College:	St. Benedict's College	Commerce
Technical School:		

WORK EXPERIENCE

Company :	Al-Hammam Company	**From:**	1998	**To:**	Present
Position Held :	Manager Human Resources				

Brief Description of Responsibilities:

Developing and establishing procedures to promote employee welfare and personal development while ensuring company's overall objectives are being met on a daily basis. Effectively communicate the company objectives, policies and procedures to each employee on a daily basis. Implement the quality Management Procedure as indicated in ISO 9002, assist in communicating the importance of those procedures to employees throughout the company. Effective administration of Employee Orientation Program, Training and Re-Training, Productivity Analysis, Employee Evaluation, Career Development, Internal Promotion, Incentive and Bonus Plans, Strategic Partnership and Alliances with International Recruiting Agencies and Organize special activities to communicate company objectives.

Company : Al-Mulla Engineering **From:** 1996 **To:** 1998

Position Held : Resource Controller

Brief Description of Responsibilities:

In charge of all capital equipment, ensure proper preventive maintenance is carried out. Allocate resources for daily site activity, record actual progress against estimation, and provide management information.

Company : Al-Mansoor Transport Co. **From:** 1994 **To:** 1996

Position Held : Administrative Assistant

Brief Description of Responsibilities*:*

Coordinate with site for daily work progress/manpower utilization report, preparation of payroll, employees' welfare.

PERSONAL DATA

Name	Michael H.Current	**Nationality:**	American
Job Title	Procurement Manager	**Years with the Company:**	06

EDUCATION

	Type of Schooling/Training	Type of Degree/Certification
Graduate College	University of Houston	Business Administration and Mechanical Engineer
Undergraduate College		
Technical School		

Brief Description of Responsibilities:

- Full P/L responsibility for Trading Division and Foreign Joint Venture partner companies.
- Responsible for division purchasing requirement and manage six sigma supply chain management program, Developing representation agreements with foreign manufacturers and service providers.

Company : Saudi Petro Gas Co. **From:** 1997 **To:** 2000

Position Held : Vice President

Brief Description of Responsibilities:

Start-up Company with none active ownership, full P/L responsibility, developed short and long-range planning and growth objectives.
Took company from start-up to 65 million USD annual revenue. Profitable in second year of operation and reached 8% net profit in third year.
Set up trading and operational relationships with oil & gas, IT, construction, manufacturing, medical waste disposal and security international companies.
Constructed Saudi Arabia's first API wellhead/valve manufacturing facility in conjunction with ABB.
Constructed residential housing complex.
Developed Down hole tool repair facility.
Recruited expatiate management staff of six with a total staff of 120.

Company : VSEL Offshore **From:** 1993 **To:** 1997
Position Held : Manager

Brief Description of Responsibilities:

Developed Middle East sales from zero to 6 million GBP annually.
Appointed and managed agencies in all Middle East Countries & Spent 75% of time in territory.
Utilized Indian manufacturing facility to enhance competitiveness, including spending substantial time at facility in Madras, India & Set long term service supply contracts with Clients.

Company : VSEL Offshore **From:** 1991 **To:** 1993
Position Held : Sr. Marketing Consultant

Brief Description of Responsibilities:

Managed several engagements in the Oil & Gas and Engineering & Construction industries.
Conducted global studies including global travel for personal interviews.
Sold marketing and management review studies to clients.
Made Board Room presentations and explained conclusions at CEO, Chairman level.

Company : First American Service Grp **From:** 1989 **To:** 1991
Position Held : President

Brief Description of Responsibilities:

Took company from 18 employees to 146.
Developed marketing plans and ensure their implementation.
Initiated computerization of all administrated functions.
Set up offices in Atlanta, Dallas and Phoenix & Developed employee relations policies.
Obtained contracts for marketing projects including Video Books and Nolan Ryan.

Company : Baker Oil Tools. **From:** 1980 **To:** 1985
Position Held : Operations Manager

Brief Description of Responsibilities:

Took the company into the international market by traveling 70%.
Increased sales from 4 million to 9 million USD annually.
Set up representation globally including personal visit to international markets.
Assisted Engineering in the development of new products.
Initiated a service program that accounted for 15% of revenue.
Develop brochures and advertising.

PERSONAL DATA

Name Annamali Vasudev **Nationality:** Indian

Job Title Sr. Estimation Manager **Years with the Company:** 10

EDUCATION

Type of Schooling/Training		Type of Degree/Certification
Graduate College	Osmania University	Mechanical Engineer
Undergraduate College		
Technical School		

WORK EXPERIENCE

Company : Al-Hammam Company **From:** 1998 **To:** Present

Position Held : Project Controls Manager

Brief Description of Responsibilities:

To develop, implement and maintain Quality System in compliance with the requirements of ISO 9002:1994. Recognized and accredited International Quality Auditors.(KPMG).

Reporting on the status of quality system to Management for review and improvement.

Preparation Project Quality Plans, Inspection and Test Plans, Quality management system meeting ISO 9002 requirements, procedures, work instructions and formats. Internal Quality audits. Also, in charge of Project Control Group responsible for Job Costing Systems and Coordination between Finance, Project Management and Estimation.

Company : Artson Engineering Ltd., **From:** 1995 **To:** 1998

Position Held : Sr. Manager

Brief Description of Responsibilities:

Prepare project quality assurance plans, Inspection and Test Plans, Quality assurance procedure taking in to consideration project requirements, project specifications and inspection requirements. Cross country pipe line 3 lines – one line 16” and 2 lines of 14” for product transfer from jetty to tank farm – 12 Kms. Management Representative for the company’s Quality System meeting ISO 9001 requirement.

Company : Southern Petrochemical Corp **From:** 1993 **To:** 1995

Position Held : Joint Manager

Brief Description of Responsibilities:

To audit sub-contractors and equipment manufactures and to update the company's approved list of sub-contractors and equipment manufacturers.

Desk study of the quality system of the new sub-contractors and manufacturers to assess their capability to supply quality products.

Conduct company quality audits (Second Party Audits) on Sub-contractors/ Manufacturer's quality system.

Forward the Non conformities and Observations to the sub-contractor / Manufacture for corrective action.

Conduct Surveillance audits and to check the corrective actions implementation.

To short list and give recommendations/ rejections to the company for inclusion or exclusion of the audited sub-contractor / supplier in the approved list.

PERSONAL DATA

Name B. Singaravelan **Nationality:** Indian

Job Title Engineering Manager **Years with the Company:** 18

EDUCATION

Type of Schooling/Training		Type of Degree/Certification
Graduate College	Annamalai University	Civil Engineer
Undergraduate College		
Technical School		

WORK EXPERIENCE

Company : Al-Hammam Company **From:** 1992 **To:** Present

Position Held : Engineering Manager

WORK EXPERIENCE

Company : Al-Hammam Company **From:** 1992 **To:** Present
Position Held : Engineering Manager

Brief Description of Responsibilities:

Responsible for project controls of all construction activities of the company. Taking progress report from sites and projecting target for the company. Fully involve from the pre-qualification, estimation, execution and preparation of work schedules and resource planning through the use of PERT and CPM charts, Manpower Histogram, S-curve, Logic Network Diagram, and Bar chart with complete information of projected man and equipment hours and progress percentage. Prepare material submittals prior to procurement. Provide technical assistance to Field Supervisor. Attend weekly construction meeting for various Change Orders. Tendering of new project and attend jobs explanation meetings. Prepare estimation for new project. Material take-off, prepares technical and commercial proposals, compute and prepare man hours budget for new projects. Was responsible for the development and implementation of a detailed construction schedule of two Saudi Aramco projects, Qurayyah Seawater Plant and Jeddah Refinery. The Primavera Project Planner was used for scheduling control and Microsoft Excel is for control and invoicing.

Company : Unicorns Architechs, Engr. **From:** 1985 **To:** 1992
Position Held : Sr. Planning Engineer

Brief Description of Responsibilities:

Design of reinforced cement structures for shopping complex and residential building. Preparation of detailed scheduled for the execution of Industrial Complex. Review of vendor drawing and design. Supervise and monitor the on going project, prepare bills of material, estimates, plans and program of works. Inspection of on going construction works both government and private, to ensure compliance with approved plans and specification.

Company : Abirami Construction Co., Ltd. **From:** 1985 **To:** 1985
Position Held : Sr. Project Engineer

Brief Description of Responsibilities:

Supervision of construction contracts of MRL (Madras Refinery Ltd.), Madras including field checks and documents controls. Erection, Pre-Commissioning and Commissioning of various crude, gasoline & kerosene plants.

PERSONAL DATA

Name	Robert D. Rebernigg Ph.D.	**Nationality:**	American
Job Title	HSE Manager	**Years with the Company:**	06

EDUCATION

Type of Schooling/Training		Type of Degree/Certification
Graduate College	University of Wexford	Doctor of Philosophy, Safety Engineering
Undergraduate College		
Technical School:	Cleveland Institute of Electronics	EE Degree Electronic Communications Technology
Graduate College	Kennedy Western University	Bachelor of Science Degree, Safety Engineering
Undergraduate College		
Technical School:	New York Telephone Company	Electronic Switching Technology

Graduate College	Kennedy Western University	Bachelor of Science Degree, Safety Engineering
Undergraduate College		
Technical School:	Keesler Technical School USAF	Microwave Communications

WORK EXPERIENCE

Company : Al-Hammam Company **From:** 05/02 **To:** Present

Position Held : HSE Manager

Brief Description of Responsibilities:

Provide Technical Safety Consultation and Safety Training to the Petrochemical Industry in Saudi Arabia and the Middle East. With work done in the USA for Valspar Corporation, and for Saudi Arabian Basic Industries Corporation (SABIC), which is comprised of 17-affiliate joint ventures down-stream production of various chemicals, fertilizers and steel based in Jubail, Saudi Arabia.

Company : Nationwide Safety Seminars **From:** 03/97 **To:** 10/01
Position Held : Teach Electrical Safety

Brief Description of Responsibilities:

Lock Out Tag Out, Machine Guarding, Laser Safety, Hazardous Communications, and perform OSHA type inspections. Some of the companies and universities I have taught include: Massachusetts Institute of Technology, Stanford University, Berkeley University, Hewlett Packard, IBM, United Airlines, Philip Morris International, Litton Industries, Oakley Inc. Avery International, AES Hawaii.

Company : Merrick & Company **From:** 09/93 **To:** 08/96
Position Held : Safety Engineering Consultant

Brief Description of Responsibilities:

Responsible for writing the Merrick & Company Corporate Health and Safety Plan, Assigned tasks were as follows: Responsible for all structures for the following programs: asbestos, DOE orders, electrical safety, explosive safety, fire protection, hazards analysis, industrial hygiene, industrial safety, life safety management, lockout / tag out, OSHA, and pressure systems. Audits and Assessments, Auditor of Compliance Issues, DOE Tiger Team Verifier. Investigations of various industrial accidents at the laboratory.

Key Manager for Los Alamos National Laboratory's Department Of Energy Order Compliance Self Assessment. Developed standards based approach to compliance, ensuring laboratory processes reflect not only needs of regulators but of implementing line organizations. Defined roles, responsibilities, authorities, for compliance process to include interfaces with DOE. Developed monitoring methodology to the compliance process to ensure it functions effectively. Attended meetings with the DNFSB (Defense Nuclear Facilities Safety Board) to state the laboratories program and its facilitation.

Company : ICF Kaiser Engineers **From:** 09/92 **To:** 09/92

Position Held : Safety Consultant

Brief Description of Responsibilities:

Responsible for all construction safety at the laboratory. Under my direction, OSHA trained inspectors audited all construction job sites at the laboratory, investigated accidents and assured construction company compliance. Task Manager - Responsible for DOE Compliance With Orders Self Assessment Program. Million plus budget, 28 employees, under my direction. Worked with DOE Albuquerque to track the Los Alamos National Laboratory’s progress in administrating the program.

Flew to Washington DC for conferences with headquarters DOE as a laboratory representative. Completed project one month early and 200,000 under budget. Developed a hazard classification system for all DOE sites, with respect to explosives. Reviewed several proposed hazard classes for DOE, and worked with Colorado School of Mines.

PERSONAL DATA

Name Mark Stiers **Nationality:** American

Job Title Maintenance Manager **Years with the Company:** 06

EDUCATION

	Type of Schooling/Training	Type of Degree/Certification
Graduate College	U.S.Navy Millington Tn	Electrical Engineer
Undergraduate College	Elsinore Union high School	
Technical School:		

WORK EXPERIENCE

Company : Al-Hammam Company **From:** 05/02 **To:** Present

Position Held : Maintenance Manager

Brief Description of Responsibilities:

Manage the coordination of Manpower & Equipment Resources, Marketing the Operation and Maintenance Manpower/Equipment Supply Contract Services to OSG's Primary Market Sector (i.e. Aramco, SEC, SABIC, SWCC and AGOC).
Additionally, I am Responsible for Managing the Maintenance Activities required to ensure that all equipment is in good condition and ready for work. I developed and established PM procedures that have resulted in reduced downtime utilizing a combination of in-house developed software, personnel training and verification procedures. I report directly to the Regional Manager and I have Budget Authority and Accountability for all projects within my Business Line.

Company : Al-Salam Aircraft Company **From:** 04/2000 **To:** 06/2001

Position Held : Senior Maintenance Control Engineer

Brief Description of Responsibilities:

Directed all Maintenance Activities required to support various Aircraft at Dhahran Airbase. Maintenance activities were performed on all facilities, including surrounding grounds, (JP) Bulk Storage facilities, utilities, mechanical, electrical and supervisory instrumentation activities required for facilities used to store, maintain and operate aircraft at optimum levels.

Planned and Supervised Preventive Maintenance Schedule, as well as established the priorities of Maintenance for critical and non-critical activities necessary to ensure maximum number of aircraft available. Acted, as Site Administrator responsible for company asset management, as well as provided training to staff, as and when required.

Company : Al-Salam Aircraft Company **From:** 09/1997 **To:** 04/2000

Position Held : Sr. Flight Control/ Instrument Engineer

Brief Description of Responsibilities:

Directed all Maintenance Activities required to support various Aircraft at Dhahran Airbase. Maintenance activities were performed on all facilities, including surrounding grounds, (JP) Bulk Storage facilities, utilities, mechanical, electrical and supervisory instrumentation activities required for facilities used to store, maintain and operate aircraft at optimum levels.

Planned and Supervised Preventive Maintenance Schedule, as well as established the priorities of Maintenance for critical and non-critical activities necessary to ensure maximum number of aircraft available. Acted, as Site Administrator responsible for company asset management, as well as provided training to staff, as and when required.

Company : McDonald Douglas Aircraft Corp. **From:** 02/1991 **To:** 07/1997

Position Held : Avionics Specialist

Brief Description of Responsibilities:

Directed all Maintenance Activities required to support various Aircraft at Dhahran Airbase. Maintenance activities were performed on all facilities, including surrounding grounds, (JP) Bulk Storage facilities, utilities, mechanical, electrical and supervisory instrumentation activities required for facilities used to store, maintain and operate aircraft at optimum levels.
Planned and Supervised Preventive Maintenance Schedule, as well as established the priorities of Maintenance for critical and non-critical activities necessary to ensure maximum number of aircraft available. Acted, as Site Administrator responsible for company asset management, as well as provided training to staff, as and when required.

Company : Air National Guard , Ca. **From:** 02/1989 **To:** 07/1991

Position Held : Avionics Specialist

Brief Description of Responsibilities:

Maintained the Flight control and Instrument Systems.
Troubleshot, Repaired, and tested the systems.
Ensured the aircraft were safe to fly. I was responsible for the maintenance of more than 1.5 billion USD worth of Assets and more than 800 direct maintenance personnel.

Company : Air National Guard , Ca. **From:** 02/1987 **To:** 01/1989
Position Held : "B" Shop Specialist

Brief Description of Responsibilities:

Maintained the Flight Control and Instrument systems on the F-4 & F-16. Performed in progress and Quality Assurance and Quality Control completion inspections.

PERSONAL DATA

Name	Harun S.Jordar	**Nationality:**	Indian
Job Title	Operations Manager	**Years with the Company:**	26

EDUCATION

	Type of Schooling/Training	Type of Degree/Certification
Graduate College	Kerala University	Mechanical Engineer
Undergraduate College		
Technical School:		

WORK EXPERIENCE

Company : Al-Hammam Company **From:** 1982 **To:** Present

Position Held : Operations Manager

Brief Description of Responsibilities:

20 years of service with Al-Hammam Co. holding diverse and varied range of Technical, Contractual, administrative, Maintenance/Operation, and Procurement assignment at Senior and Executive Management levels. The Board of Directors and professional course in technical & management fields reinforced this through periodic formalized appreciation. Gained a thorough expertise in the Management, Planning, Contracting, Execution, Procurement, Monitoring and Maintenance/Operation of large LSTK/SLPB multi-disciplinary Petrochemical, Telecommunications OSP, High Pressure Water Technology (Hydro-Blasting & Hydro-Cutting), EIV/PZV/DCS/Hazop, Bulk Plant upgrade & Storage tank Modification around the kingdom including all utility services. Used computers for monitoring reports, budgeting and personnel management. Familiar with Office 2000, Primavera 2.0, MS Project 2000.

Mr.Jordar's most recent position(since4/1992) with Al-Hammam Co. is Operations Manager. His duties include coordinating with SAPMT & Sub-Contractors, Consulting with engineering to prepare bid documents, negotiation, procurement, staff allocation, scheduling and monitoring the schedule for timely compilation and evaluation of the projects, cost control & quality assurance to clients requirements, preparation and analysis of management information data to continuously be aware of what is happening in the project and to make changes as necessary to ensure safe and timely completion of project.

A LIST OF PROJECTS DURING HIS TENURE WITH AL-HAMMAM

Period	Project Title	Client
Since 10/01	Compressor Replacement, New Royalty Crude Metering Station at Riyadh Refinery	Saudi Aramco
10/99 to 9/01	Central Region Bulk Plant Modernization, Riyadh,Al-Qassim, Sulayyil & Najran	Saudi Aramco
5/97 to 10/99	EIV/PZV/DCS/HAZOP upgrade in Riyadh Refinery, Jizan Bulk Plant Modernization, Tank Repair, Cooling Tower upgrade with supply and return piping	Saudi Aramco
7/96 to 5/97	Provide 20,000 new telephone lines in Dammam, Tarut, Qatif & Al-Khober	Saudi Telecom
2/95 to 7/96	Laboratory/NHT/CCR platforms RTR upgrade project Jeddah Refinery Traffic Improvement Project	Saudi Aramco
12/93 to 2/95	Repair of Qurayyah Sea Water above grade canal , Ju'aymah lay down upgrading, Construction of Contractors Identification Building, Sadaf EB/SM plant expansion	Saudi Aramco SABIC

Period	Project Title	Client
8/91 to 12/93	HCP Warehouse Facilities, HAGOSP-4 Maintenance & HAGOSP-2 Well Services Bldg.	Saudi Aramco
1/91 to 8/91	Design, Supply & Construct Pre-engineered air craft Building	US Airforce 82nd airborne, Dhahran
1/90 to 12/90	Upgrade plant electrical works	Hadeed (SABIC)
4/87 to 12/89	Civil & Piping works	KFIA,Safwa
10/85 to 4/87	Pipeline repair & Maintenance, Northern area	Saudi Aramco
12/82 to 10/85	Crew Maintenance to Ras Tanurah/Safaniyah Offshore Platform and pipeline Maintenance	Saudi Aramco

PERSONAL DATA

Name Terry Smith **Nationality:** American

Job Title Construction Manager **Years with the Company:** 10

EDUCATION

	Type of Schooling/Training	Type of Degree/Certification
Graduate College	D.A.V. High School	Electrical Engineering
Undergraduate College		
Technical School:		

WORK EXPERIENCE

Company : Al-Hammam Company **From:** 12/1999 **To:** Present

Position Held : Construction Manager

Brief Description of Responsibilities:

Responsible for execution for companies contract. Interfacing with the Saudi Aramco representative to assure service to meet all contract requirements. Reviewing and approving the execution plan. Assuring all project related documents including the prime contracts, Sub-contracts, company construction drawings and specification, vendor submittals, OEM manual Project schedules procedure manuals.

Company : Consort Engineering (Nig.)Ltd **From:** 10/97 **To:** 11/99

Position Held : Project Construction Manager

Brief Description of Responsibilities:

Reactivation of Kolo Creek Electrification Project and New construction of 240 KM of 33 KV Line on concrete/Wood Poles 15 Tower Crossing 9 x 2.5 MV A 33/1 1 KV Injection substations 9 x KV SF 6 5 Panel Switch Board. 17 x 200 KVA 33/415 distribution transformers one 33 KV 5 panel SF6 Switch Board. 17 Towns L.V. distribution. The whole project is over 1 Billion Naira sponsored by OMPADEC (Oil Mineral Producing Development Commission).

Company : Wade Adams Construction Ltd. **From:** 08/96 **To:** 09/97

Position Held : Construction Manager

Brief Description of Responsibilities:

To work on power 5 Project was funded by British Government Overseas Development Fund

Company : Merz & Mclellan Consulting Engineers **From:** 06/95 **To:** 07/96

Position Held : Resident Engineer

Brief Description of Responsibilities:

Posted to Sudan National Electricity Corporation Roseires Power Station Up-Rating of Generation sets from 30 MW to 40 MW. 280 MW Station . Responsible to supervise contractors ABB Generation working on up-rating transformers 85 MV A Generators, SF6 SWITCH gear Control Panel 1 1 KV Bus-Bar Transmission 220 KV Cabling testing and Commissioning. Reports payment Certificates.

Company : Babcock Electrical Project Ltd **From:** 04/92 **To:** 05/95
Position Held : Construction Engineer

Brief Description of Responsibilities:

Responsible for the construction/commissioning of the project which handed over to Benue State Electricity Board.

Company : Rolls Royce PLC **From:** 02/90 **To:** 03/92
Position Held : Project Engineer

Brief Description of Responsibilities:

Carried out the construction and commissioning activities of the project involves the following: 2 SK30 Gas Turbines 20 MW each. 2 x 25 MV A 11000/33000 step up transformers, 10 anel 33 KV SF 6 Switch Gear. 66KV/33KV Switch Yard and 25 MVA Transformer, BusBar 56KM of 66 KV Line, 354 Km of 33 KV over Head line wood poles.Relay Panels Control Panels etc..

Company : SCECO –Abha. **From:** 10/86 **To:** 12/89

Position Held : Operation and Maintenance Engineer

Brief Description of Responsibilities:

Responsible for Construction Operation and Maintenance of Bisha Area Network, Distribution Transmission and day to day operation of the station with:- 40 KM OF 132 KV Line , 23.6 KM OF 33 KV Lines, 331 KM O F13. 8 KV U/G Transformers S/S 50 KVA to 331 KVA to 1000 Transformer sub-station 132/33KV with SF6 breakers stand by generators to 5 MW. Load of 40 MW 5000 consumers staff of 150 responsible for about 20 villages. Meter reading consumer services St lights MD supply to factories, hospitals and schools. Also responsible for the company transportation.

PERSONAL DATA

Name	Karim Bouab	**Nationality:**	French
Job Title	Construction Manager	**Years with the Company:**	09

EDUCATION

	Type of Schooling/Training	Type of Degree/Certification
Graduate College	National Civil and Building works schools-Paris	Civil & Mechanical Engineer
Undergraduate College		
Technical School:		

WORK EXPERIENCE

Company :	Al-Hammam Company	**From:**	01/01	**To:**	Present
Position Held :	Construction Manager				

Brief Description of Responsibilities*:*

Responsible for execution for companies contract. Interfacing with the Saudi Aramco representative to assure service to meet all contract requirements. Preparation of the execution plan. Assuring all project related documents including the prime contracts, Sub-contracts, company construction drawings and specification, vendor submittals, OEM manual Project schedules procedure manuals, and cost estimates are available at site. Supervise all discipline engineers and daily toolbox meeting to ensure production targets are met.

Company : TECHNIP **From:** 05/97 **To:** 12/99

Position Held : Construction Manager

Brief Description of Responsibilities:

As Construction Manger executed SHAH DENIZ PROJECT (Pairs H.O.) , Client : BP Azerbaijan – Caspian Sea:- Constructability review for the fabrication and installation of a 30000 Tons TPG 500 production and drilling jack-up type offshore platform.

As Deputy Construction Manager executed “Petroleum Coke Calcining Plant”(Bahrain) Client: ALBA (Aluminium Bahrain):- Construction of a Coke Calcining plant (capacity:400 000 T/y) and associated Desalination plant (40 000 m3/day).
LSTK Contract: Construction productive man-hours: 3 000 000 – works duration 28 months.

As Construction Superintendent, responsible for construction of a Polyethylene plant (capacity 270 000 T/y) and associated utilities. Construction productive man-hours 900 000 – works duration 16 months. POLYOLEFIN EXPANSION PROJECT (Germany).

Company : DELATTRE-LEVIVIER Morocco **From:** 03/96 **To:** 04/97
Position Held : Construction Manager

Brief Description of Responsibilities*:*

SOFRESID Project –OCP Jorf Lasfar – (Morocco), construction of a sulfuric acid production unit-400 000 productive man-hours. Fabrication and erection of vessels (3,000 tons/stainless steel and carbon steel), tanks, concrete and steel structures, pipe work, connecting ducts.

Company : BUZZICHELLI **From:** 01/95 **To:** 02/96
Position Held : Construction Manager

Brief Description of Responsibilities:

PROCTER & GAMBLE Mohammedia Project (Morocco)
Construction of a paper mill – 150000 productive man-hours, Fabrication and erection of steel structures, vessels, piping. Mechanical assembly and erection of the production line. Design and construction of the fire protection system. Coordination and management of subcontracted activities(HVAC, Buildings).

Company : McDERMOTT-ETPM **From:** 11/93 **To:** 01/95

Position Held : Offshore Operations Engineer

Brief Description of Responsibilities:

Responsible for technical and logistic assistance to the Project prior to Offshore field mobilization. Responsible for site operations during offshore construction phase.
Mobil EKPE Project – Nigeria : installation of EKPE Jackets (1,800 tons)
Mobil OSO 1 – Y2 Project – Nigeria: 16" pipeline coating and installation. Fabrication and installation of three 100 ton modules.
Modec Project – Nigeria : Anchoring of a loading tanker(FSO) and submarine connection to pipeline by means of a flexible riser.
Chevron upgrade project- Nigeria : Revamping works during standstill on existing platforms. Installation of 3 x 200 T tope-sides modules. Installation of a 6" underwater pipeline.
ELF NKOSSA Project – (Congo) : installation of 2 Nkossa decks(2 x 2000 ton) and associated structures. Installation of the largest 2 oil drilling platforms (6,000 Ton) in West Africa at depth of 170 m.

Company : DUMEZ International **From:** 09/92 **To:** 10/93

Position Held : Civil works Methods Engineer

Brief Description of Responsibilities:

Dul Hasti Dam – India: Preparation of a quality control plan for jobsite operational teams (external and underground work, material Department

PERSONAL DATA

Name	David E. Cayea	**Nationality:**	Canadian
Job Title	Project Manager	**Years with the Company:**	06

EDUCATION

	Type of Schooling/Training	Type of Degree/Certification
Graduate College	Niagara	Environmental Management
Undergraduate College	Brock University, Canada	Post Graduate Diploma
Technical School:		

WORK EXPERIENCE

Company : Al-Hammam Company **From:** 02/02 **To:** Present

Position Held : Project Manager

Brief Description of Responsibilities:

Coordinate with CRPD (Client) site representative and Senior Project Engineer for monitoring the progress of all construction related activities. Allocating adequate site supervision, resources and proper utilization of manpower and equipment for Construction, Pre-Commissioning & Commissioning activities. Leading weekly and monthly progress review meetings. Enforcing safety precaution as per Saudi Aramco (client) requirements.

Broad based construction and Project Management with major emphasis on piping, grass root projects, accustomed to supervision and leadership, with strong background in shutdown/turnaround projects for petrochemical-refining plants, powerhouses, structural, instrumentation and vessels, record of remaining on the job from inception to completion. Recalled by former employers as new projects develop. In short, thrive on responsibility and able to supply wide range of skills.

Company : ITEM **From:** 1999 **To:** 2002

Position Held : General Manager

Brief Description of Responsibilities*:*

Establish & set up company & Manage all operations. ITEM is an engineering & automation company that build custom manufacturing equipment & material handling systems. Hired all personnel required to grow the company & offer engineering & production services solutions. Manage operations, meet with customers & assist design engineering with conceptual design & material sourcing. Established customer base & responsible for yearly sales of more than a million dollars. Oversee marketing, advertising & product development. Initiated & established business relationships with international companies to represent engineered expansion into developing & emerging markets. Consult with all applicable governmental agencies required. Monitor financial operations. products to assist in company growth. Perform market analysis to determine future growth &

Company : Royal Containers Ltd. **From:** 1996 **To:** 1999

Position Held : Operations Manager

Brief Description of Responsibilities:

Managed the day-to-day operations of the two shift one hundred plus employee corrugated manufacturing facility. Responsible for production focused on just in time material flow.

Continuously set new production records while reducing labor cost. Scheduled material from suppliers, through the production process, to shipping & to the end customer. Responsible for all customer commitments regarding delivery of finished product. Established written policies & procedures for production and quality. Performed facility audits to ensure compliance to quality & environmental control system. Hired production employees & determined manpower requirements to meet production schedules. Purchased all equipment & supplies for facility operations. Responsible for all environment & waste management operations.

Company : Republic Environmental Srvcs **From:** 1993 **To:** 1996

Position Held : Production/Project Supervisor

Brief Description of Responsibilities:

Managed personnel and plant operations at the hazardous waste management and recovery facility. Consulted with customers and regulatory bodies at on-site environmental remediation projects. Planning, coordinating cost estimating, scheduling and staffing new projects. Enforced and implemented employee safety standards and guidelines. Implemented and monitored continuous improvement programs in a total team-working environment. Performed environmental audits and determined compliance with applicable governmental regulations and standards. Responsible for employee training and scheduling of production.

Other Training: -
ISO General Audits
Quality Control

PERSONAL DATA

Name	Mohammed Afsar	**Nationality:**	Indian
Job Title	Project Control Manager	**Years with the Company:**	18

EDUCATION

	Type of Schooling/Training	Type of Degree/Certification
Graduate College	Osmania University	Bachelors Degree In Engineering(Mechanical)
Undergraduate College		
Technical School:		

WORK EXPERIENCE

Company :	Al-Hammam Company	**From:**	July 2007	**To:**	Present
Project Title:					
Position Held :	Project Control Manager				

Brief Description of Responsibilities:

Result oriented professional with expertise in Oil and Gas Sector holds a noteworthy **18 years** of rich and diversified experience. Currently working as a **Projects Control Manager** at Al Hammam Company. Holding international experience in the field of EPC Project Management, Contract Action, Design, Procurement, Construction and Contracting(FIDIC)Areas includes, Onshore Facilities, Refineries, Gathering Centers, GOSP, Gas Booster Stations, Cross Country Pipelines, Bulk Plants(Terminals) and Power Plants. Ability of coordinating several tasks and generating effective business solutions. Adept in planning, organizing and team management. Exceptional knowledge about oil & gas industries, possess the ability to take the organization towards the top of market level. With significant working knowledge ensured the operations of multiple projects within a stipulated span of time. Excellent ability to analyze business requirements with expertise in Design, Contract Action, Construction, Liaising, Planning and Managing skills. Exceptional in cost estimation and familiar with engineering & construction practices, materials and equipments, simultaneously committed to problem solving who has a very high quest for learning things. Exceptional abilities in management with the organizational and supervisory skills to assure success, elevates and monitors work to meet and beat deadlines**.** Strong Techno-Commercial background. Strong communication skills.

Company :	Al-Hammam Company	**From:**	Dec 2006	**To:**	June 2007
Project Title:	Mercury Removal Unit at Ras Tanura Refinery				
Position Held :	Project Manager				

Brief Description of Responsibilities:

Responsible for the execution of Engineering projects during the FEED, Detail Design and Construction phases.
Reporting progress on projects to the Client in a timely manner, highlighting issues which could impact on quality, cost, schedule or HSE matters.
Fully understand and exhibit the requirements of the project specifications and quality system and ensuring these requirements are met.
Ensure projects are executed as per contract terms and conditions. (FIDIC)
Develop the scope of work to achieve the specific project deliverables.
Provide overall planning and organization during the design and construction.
Develop staffing plans.
Coordinate all design engineering, procurement, and construction activities.
Lead the project execution planning including contracting strategy development.
Analyze project risks and develop mitigation plans.
Initiate, monitor, and update the project schedule.
Initiate cost estimates and monitor project costs.
Enable and promote a robust change control system for schedule and cost.
Promote strong communication with all team members.
Ensure implementation of constructability concepts.
Monitor and audit contractor activities to ensure compliance with technical and commercial aspects of the contract

- Review and comment on contractor's execution methodology
- Work with construction managers to identify and mitigate problem areas
- Facilitate coordination between EPC contractor and others
- Review and assess contractor's temporary facilities plan and othersupport services
- Review subcontract recommendations
- Provide site liaison with project team
- PMC organization, review EPC progress
- Participate in weekly safety inspections
- Monitor quality audits
- Monitor receiving, handling and storage of project material and equipment
- Review and monitor turnover planning and execution activities

Exercising control over manpower and material resources in order to execute the project within budget, schedule and HSEQ requirements.

Ensure the communication with, and involvement of all disciplines to each project.
Prepare technical documentation for Tenders, including Tender Check Estimates.
Prepare and Evaluate bids and proposals to client's Enquiry.
Monitor and responsible for the progress of work in every discipline (civil/structural/mechanical-static, rotating /electrical/instrumentation) areas.
Review and Evaluate Technical Queries and Concession Request raised by Contractors.
Organizing meetings with Bidders, Proposals and Commercial Groups to evaluate and handover contract & proposal documentation prior to origination of work.
Monitor, Identify and communicate the objectives of the project team in accordance with the contract terms, scope of work and divisional policy.
Ensuring that systems are adopted by the project team immediately after contract award and negotiate all changes or variation orders to contract with the Contractor.
Organize progress into weekly and monthly report submissions to client and management and track Contractors reports.
Maintaining records of monthly progress information, manpower and productivity by rolling up contractor data. Prepare necessary reports to ensure the satisfaction of client.
Identify and take corrective action (with appropriate approval) to ensure the project goals for cycle-time, cost, and quality are met.
Deliver as-built and operations/maintenance documentation to the facility.
Document key project measurements and learning experiences in the Project Closure Report

Company :	Al-Hammam Company	**From:**	July 2006	**To:**	Dec 2006
Project Title:	Khursaniya Producing Facilities (KPF)				
Position Held :	Project Manager				

Brief Description of Responsibilities:

Responsible for the execution of Engineering projects during the FEED, Detail Design and Construction phases.
Reporting progress on projects to the Client in a timely manner, highlighting issues which could impact on quality, cost, schedule or HSE matters.
Fully understand and exhibit the requirements of the project specifications and quality system and ensuring these requirements are met.
Ensure projects are executed as per contract terms and conditions. (FIDIC)
Develop the scope of work to achieve the specific project deliverables.
Provide overall planning and organization during the design and construction.
Develop staffing plans.
Coordinate all design engineering, procurement, and construction activities.
Lead the project execution planning including contracting strategy development.
Analyze project risks and develop mitigation plans.

Initiate, monitor, and update the project schedule.
Initiate cost estimates and monitor project costs.
Enable and promote a robust change control system for schedule and cost.
Promote strong communication with all team members.
Ensure implementation of constructability concepts.
Monitor and audit contractor activities to ensure compliance with technical and commercial aspects of the contract
- Review and comment on contractor's execution methodology
- Work with construction managers to identify and mitigate problem areas
- Facilitate coordination between EPC contractor and others
- Review and assess contractor's temporary facilities plan and othersupport services
- Review subcontract recommendations
- Provide site liaison with project team
- PMC organization, review EPC progress
- Participate in weekly safety inspections
- Monitor quality audits
- Monitor receiving, handling and storage of project material and equipment
- Review and monitor turnover planning and execution activities

Exercising control over manpower and material resources in order to execute the project within budget, schedule and HSEQ requirements.
Ensure the communication with, and involvement of all disciplines to each project.
Prepare technical documentation for Tenders, including Tender Check Estimates.

Prepare and Evaluate bids and proposals to client's Enquiry.
Monitor and responsible for the progress of work in every discipline (civil/structural/mechanical-static, rotating /electrical/instrumentation) areas.
Review and Evaluate Technical Queries and Concession Request raised by Contractors.
Organizing meetings with Bidders, Proposals and Commercial Groups to evaluate and handover contract & proposal documentation prior to origination of work.
Monitor, Identify and communicate the objectives of the project team in accordance with the contract terms, scope of work and divisional policy.
Ensuring that systems are adopted by the project team immediately after contract award and negotiate all changes or variation orders to contract with the Contractor.
Organize progress into weekly and monthly report submissions to client and management and track Contractors reports.
Maintaining records of monthly progress information, manpower and productivity by rolling up contractor data. Prepare necessary reports to ensure the satisfaction of client.
Identify and take corrective action (with appropriate approval) to ensure the project goals for cycle-time, cost, and quality are met.
Deliver as-built and operations/maintenance documentation to the facility.
Document key project measurements and learning experiences in the Project Closure Report

Company :	Al – Hammam Company	**From:**	June2005	**To:**	July 2006
Project Title:	Two Grades of Gasoline & Additional Capacity requirement at Seven Bulk Plant (Western Area)				
Position Held :	Project Manager (Northwest Area)				

Brief Description of Responsibilities:

Responsible for the execution of Engineering projects during the FEED, Detail Design and Construction phases.
Reporting progress on projects to the Client in a timely manner, highlighting issues which could impact on quality, cost, schedule or HSE matters.
Fully understand and exhibit the requirements of the project specifications and quality system and ensuring these requirements are met.
Ensure projects are executed as per contract terms and conditions. (FIDIC)
Develop the scope of work to achieve the specific project deliverables.
Provide overall planning and organization during the design and construction.
Develop staffing plans.
Coordinate all design engineering, procurement, and construction activities.
Lead the project execution planning including contracting strategy development.
Analyze project risks and develop mitigation plans.
Initiate, monitor, and update the project schedule.

Initiate cost estimates and monitor project costs.
Enable and promote a robust change control system for schedule and cost.
Promote strong communication with all team members.
Ensure implementation of constructability concepts.
Monitor and audit contractor activities to ensure compliance with technical and commercial aspects of the contract
- Review and comment on contractor's execution methodology
- Work with construction managers to identify and mitigate problem areas
- Facilitate coordination between EPC contractor and others
- Review and assess contractor's temporary facilities plan and othersupport services
- Review subcontract recommendations
- Provide site liaison with project team
- PMC organization, review EPC progress
- Participate in weekly safety inspections
- Monitor quality audits
- Monitor receiving, handling and storage of project material and equipment
- Review and monitor turnover planning and execution activities

Exercising control over manpower and material resources in order to execute the project within budget, schedule and HSEQ requirements.
Ensure the communication with, and involvement of all disciplines to each project.
Prepare technical documentation for Tenders, including Tender Check Estimates.
Prepare and Evaluate bids and proposals to client’s Enquiry.

Monitor and responsible for the progress of work in every discipline (civil/structural/mechanical-static, rotating /electrical/instrumentation) areas.
Review and Evaluate Technical Queries and Concession Request raised by Contractors.
Organizing meetings with Bidders, Proposals and Commercial Groups to evaluate and handover contract & proposal documentation prior to origination of work.
Monitor, Identify and communicate the objectives of the project team in accordance with the contract terms, scope of work and divisional policy.
Ensuring that systems are adopted by the project team immediately after contract award and negotiate all changes or variation orders to contract with the Contractor.
Organize progress into weekly and monthly report submissions to client and management and track Contractors reports.
Maintaining records of monthly progress information, manpower and productivity by rolling up contractor data. Prepare necessary reports to ensure the satisfaction of client.
Identify and take corrective action (with appropriate approval) to ensure the project goals for cycle-time, cost, and quality are met.
Deliver as-built and operations/maintenance documentation to the facility.
Document key project measurements and learning experiences in the Project Closure Report

Company : Al – Hammam Company **From:** Jan 2004 **To:** Mar 2005

Project Title: Integration of new power & steam generation facilities at refinery.(COGEN)

Position Held : Project Manager

Brief Description of Responsibilities:

Responsible for the execution of Engineering projects during the FEED, Detail Design and Construction phases.
Reporting progress on projects to the Client in a timely manner, highlighting issues which could impact on quality, cost, schedule or HSE matters.
Fully understand and exhibit the requirements of the project specifications and quality system and ensuring these requirements are met.
Ensure projects are executed as per contract terms and conditions. (FIDIC)
Develop the scope of work to achieve the specific project deliverables.
Provide overall planning and organization during the design and construction.
Develop staffing plans.
Coordinate all design engineering, procurement, and construction activities.
Lead the project execution planning including contracting strategy development.
Analyze project risks and develop mitigation plans.
Initiate, monitor, and update the project schedule.
Initiate cost estimates and monitor project costs.
Enable and promote a robust change control system for schedule and cost.

Promote strong communication with all team members.
Ensure implementation of constructability concepts.
Monitor and audit contractor activities to ensure compliance with technical and commercial aspects of the contract
- Review and comment on contractor's execution methodology
- Work with construction managers to identify and mitigate problem areas
- Facilitate coordination between EPC contractor and others
- Review and assess contractor's temporary facilities plan and othersupport services
- Review subcontract recommendations
- Provide site liaison with project team
- PMC organization, review EPC progress
- Participate in weekly safety inspections
- Monitor quality audits
- Monitor receiving, handling and storage of project material and equipment
- Review and monitor turnover planning and execution activities

Exercising control over manpower and material resources in order to execute the project within budget, schedule and HSEQ requirements.
Ensure the communication with, and involvement of all disciplines to each project.
Prepare technical documentation for Tenders, including Tender Check Estimates.
Prepare and Evaluate bids and proposals to client’s Enquiry.
Monitor and responsible for the progress of work in every discipline (civil/structural/mechanical-static, rotating /electrical/instrumentation) areas.
Review and Evaluate Technical Queries and Concession Request raised by Contractors.

Organizing meetings with Bidders, Proposals and Commercial Groups to evaluate and handover contract & proposal documentation prior to origination of work.
Monitor, Identify and communicate the objectives of the project team in accordance with the contract terms, scope of work and divisional policy.
Ensuring that systems are adopted by the project team immediately after contract award and negotiate all changes or variation orders to contract with the Contractor.
Organize progress into weekly and monthly report submissions to client and management and track Contractors reports.
Maintaining records of monthly progress information, manpower and productivity by rolling up contractor data. Prepare necessary reports to ensure the satisfaction of client.
Identify and take corrective action (with appropriate approval) to ensure the project goals for cycle-time, cost, and quality are met.
Deliver as-built and operations/maintenance documentation to the facility.
Document key project measurements and learning experiences in the Project Closure Report

Company : Al-Hammam Company **From:** Aug 2003 **To:** Dec 2004

Project Title: Crude & Vacuum Heaters Replacement at Refinery

Position Held : Project Manager

Brief Description of Responsibilities:

Responsible for the execution of Engineering projects during the FEED, Detail Design and Construction phases.
Reporting progress on projects to the Client in a timely manner, highlighting issues which could impact on quality, cost, schedule or HSE matters.
Fully understand and exhibit the requirements of the project specifications and quality system and ensuring these requirements are met.
Ensure projects are executed as per contract terms and conditions. (FIDIC)
Develop the scope of work to achieve the specific project deliverables.
Provide overall planning and organization during the design and construction.
Develop staffing plans.
Coordinate all design engineering, procurement, and construction activities.
Lead the project execution planning including contracting strategy development.
Analyze project risks and develop mitigation plans.
Initiate, monitor, and update the project schedule.
Initiate cost estimates and monitor project costs.
Enable and promote a robust change control system for schedule and cost.
Promote strong communication with all team members.
Ensure implementation of constructability concepts.
Monitor and audit contractor activities to ensure compliance with technical and commercial aspects of the contract

- Review and comment on contractor's execution methodology
- Work with construction managers to identify and mitigate problem areas
- Facilitate coordination between EPC contractor and others
- Review and assess contractor's temporary facilities plan and othersupport services
- Review subcontract recommendations
- Provide site liaison with project team
- PMC organization, review EPC progress
- Participate in weekly safety inspections
- Monitor quality audits
- Monitor receiving, handling and storage of project material and equipment
- Review and monitor turnover planning and execution activities

Exercising control over manpower and material resources in order to execute the project within budget, schedule and HSEQ requirements.
Ensure the communication with, and involvement of all disciplines to each project.
Prepare technical documentation for Tenders, including Tender Check Estimates.
Prepare and Evaluate bids and proposals to client’s Enquiry.
Monitor and responsible for the progress of work in every discipline (civil/structural/mechanical-static, rotating /electrical/instrumentation) areas.
Review and Evaluate Technical Queries and Concession Request raised by Contractors.
Organizing meetings with Bidders, Proposals and Commercial Groups to evaluate and handover contract & proposal documentation prior to origination of work.
Monitor, Identify and communicate the objectives of the project team in accordance with the contract terms, scope of work and divisional policy.

Ensuring that systems are adopted by the project team immediately after contract award and negotiate all changes or variation orders to contract with the Contractor.
Organize progress into weekly and monthly report submissions to client and management and track Contractors reports.
Maintaining records of monthly progress information, manpower and productivity by rolling up contractor data. Prepare necessary reports to ensure the satisfaction of client.
Identify and take corrective action (with appropriate approval) to ensure the project goals for cycle-time, cost, and quality are met.
Deliver as-built and operations/maintenance documentation to the facility.
Document key project measurements and learning experiences in the Project Closure Report

Company :	Al – Hammam Company	**From:**	Mar 2003	**To:**	Aug 2003
Project Title:	Replacement of Plant Air & Instrument Air Compressor at Refinery				
Position Held :	Project Manager				

Brief Description of Responsibilities:

Responsible for the execution of Engineering projects during the FEED, Detail Design and Construction phases.
Reporting progress on projects to the Client in a timely manner, highlighting issues which could impact on quality, cost, schedule or HSE matters.
Fully understand and exhibit the requirements of the project specifications and quality system and ensuring these requirements are met.

Ensure projects are executed as per contract terms and conditions. (FIDIC)
Develop the scope of work to achieve the specific project deliverables.
Provide overall planning and organization during the design and construction.
Develop staffing plans.
Coordinate all design engineering, procurement, and construction activities.
Lead the project execution planning including contracting strategy development.
Analyze project risks and develop mitigation plans.
Initiate, monitor, and update the project schedule.
Initiate cost estimates and monitor project costs.
Enable and promote a robust change control system for schedule and cost.
Promote strong communication with all team members.
Ensure implementation of constructability concepts.

Monitor and audit contractor activities to ensure compliance with technical and commercial aspects of the contract
- Review and comment on contractor's execution methodology
- Work with construction managers to identify and mitigate problem areas
- Facilitate coordination between EPC contractor and others
- Review and assess contractor's temporary facilities plan and othersupport services
- Review subcontract recommendations
- Provide site liaison with project team
- PMC organization, review EPC progress
- Participate in weekly safety inspections
- Monitor quality audits

- Monitor receiving, handling and storage of project material and equipment
- Review and monitor turnover planning and execution activities

Exercising control over manpower and material resources in order to execute the project within budget, schedule and HSEQ requirements.
Ensure the communication with, and involvement of all disciplines to each project.
Prepare technical documentation for Tenders, including Tender Check Estimates.
Prepare and Evaluate bids and proposals to client's Enquiry.
Monitor and responsible for the progress of work in every discipline (civil/structural/mechanical-static, rotating /electrical/instrumentation) areas.
Review and Evaluate Technical Queries and Concession Request raised by Contractors.
Organizing meetings with Bidders, Proposals and Commercial Groups to evaluate and handover contract & proposal documentation prior to origination of work.
Monitor, Identify and communicate the objectives of the project team in accordance with the contract terms, scope of work and divisional policy.
Ensuring that systems are adopted by the project team immediately after contract award and negotiate all changes or variation orders to contract with the Contractor.
Organize progress into weekly and monthly report submissions to client and management and track Contractors reports.
Maintaining records of monthly progress information, manpower and productivity by rolling up contractor data. Prepare necessary reports to ensure the satisfaction of client.
Identify and take corrective action (with appropriate approval) to ensure the project goals for cycle-time, cost, and quality are met.
Deliver as-built and operations/maintenance documentation to the facility.
Document key project measurements and learning experiences in the Project Closure Report

Company :	Al – Hammam Company	**From:**	Jan 2003	**To:**	Aug 2003
Project Title:	Royalty Crude Metering Station at Refinery				
Position Held :	Project Manager				

Brief Description of Responsibilities:

Responsible for the execution of Engineering projects during the FEED, Detail Design and Construction phases.
Reporting progress on projects to the Client in a timely manner, highlighting issues which could impact on quality, cost, schedule or HSE matters.
Fully understand and exhibit the requirements of the project specifications and quality system and ensuring these requirements are met.
Ensure projects are executed as per contract terms and conditions. (FIDIC)
Develop the scope of work to achieve the specific project deliverables.
Provide overall planning and organization during the design and construction.
Develop staffing plans.
Coordinate all design engineering, procurement, and construction activities.
Lead the project execution planning including contracting strategy development.
Analyze project risks and develop mitigation plans.
Initiate, monitor, and update the project schedule.
Initiate cost estimates and monitor project costs.
Enable and promote a robust change control system for schedule and cost.
Promote strong communication with all team members.
Ensure implementation of constructability concepts.

Monitor and audit contractor activities to ensure compliance with technical and commercial aspects of the contract
- Review and comment on contractor's execution methodology
- Work with construction managers to identify and mitigate problem areas
- Facilitate coordination between EPC contractor and others
- Review and assess contractor's temporary facilities plan and othersupport services
- Review subcontract recommendations
- Provide site liaison with project team
- PMC organization, review EPC progress
- Participate in weekly safety inspections
- Monitor quality audits
- Monitor receiving, handling and storage of project material and equipment
- Review and monitor turnover planning and execution activities

Exercising control over manpower and material resources in order to execute the project within budget, schedule and HSEQ requirements.
Ensure the communication with, and involvement of all disciplines to each project.
Prepare technical documentation for Tenders, including Tender Check Estimates.
Prepare and Evaluate bids and proposals to client’s Enquiry.
Monitor and responsible for the progress of work in every discipline (civil/structural/mechanical-static, rotating /electrical/instrumentation) areas.
Review and Evaluate Technical Queries and Concession Request raised by Contractors.
Organizing meetings with Bidders, Proposals and Commercial Groups to evaluate and handover contract & proposal documentation prior to origination of work.

Monitor, Identify and communicate the objectives of the project team in accordance with the contract terms, scope of work and divisional policy.
Ensuring that systems are adopted by the project team immediately after contract award and negotiate all changes or variation orders to contract with the Contractor.
Organize progress into weekly and monthly report submissions to client and management and track Contractors reports.
Maintaining records of monthly progress information, manpower and productivity by rolling up contractor data. Prepare necessary reports to ensure the satisfaction of client.
Identify and take corrective action (with appropriate approval) to ensure the project goals for cycle-time, cost, and quality are met.
Deliver as-built and operations/maintenance documentation to the facility.
Document key project measurements and learning experiences in the Project Closure Report

Company :	Al – Hammam Company	**From:**	Dec 1999	**To:**	Dec 2002
Project Title:	Bulk Plant Modernizations Projects, Central Region Riyadh, Qassim, Njaran & Sulail				
Position Held :	Project Manager				

Brief Description of Responsibilities:

Responsible for the execution of Engineering projects during the FEED, Detail Design and Construction phases.
Reporting progress on projects to the Client in a timely manner, highlighting issues which could impact on quality, cost, schedule or HSE matters.
Fully understand and exhibit the requirements of the project specifications and quality system and ensuring these requirements are met.
Ensure projects are executed as per contract terms and conditions. (FIDIC)
Develop the scope of work to achieve the specific project deliverables.
Provide overall planning and organization during the design and construction.
Develop staffing plans.
Coordinate all design engineering, procurement, and construction activities.
Lead the project execution planning including contracting strategy development.
Analyze project risks and develop mitigation plans.
Initiate, monitor, and update the project schedule.
Initiate cost estimates and monitor project costs.

Enable and promote a robust change control system for schedule and cost.
Promote strong communication with all team members.
Ensure implementation of constructability concepts.
Monitor and audit contractor activities to ensure compliance with technical and commercial aspects of the contract
- Review and comment on contractor's execution methodology
- Work with construction managers to identify and mitigate problem areas
- Facilitate coordination between EPC contractor and others
- Review and assess contractor's temporary facilities plan and othersupport services
- Review subcontract recommendations
- Provide site liaison with project team
- PMC organization, review EPC progress
- Participate in weekly safety inspections
- Monitor quality audits
- Monitor receiving, handling and storage of project material and equipment
- Review and monitor turnover planning and execution activities

Exercising control over manpower and material resources in order to execute the project within budget, schedule and HSEQ requirements.
Ensure the communication with, and involvement of all disciplines to each project.
Prepare technical documentation for Tenders, including Tender Check Estimates.
Prepare and Evaluate bids and proposals to client’s Enquiry.
Monitor and responsible for the progress of work in every discipline (civil/structural/mechanical-static, rotating /electrical/instrumentation) areas.
Review and Evaluate Technical Queries and Concession Request raised by Contractors

Organizing meetings with Bidders, Proposals and Commercial Groups to evaluate and handover contract & proposal documentation prior to origination of work.
Monitor, Identify and communicate the objectives of the project team in accordance with the contract terms, scope of work and divisional policy.
Ensuring that systems are adopted by the project team immediately after contract award and negotiate all changes or variation orders to contract with the Contractor.
Organize progress into weekly and monthly report submissions to client and management and track Contractors reports.
Maintaining records of monthly progress information, manpower and productivity by rolling up contractor data. Prepare necessary reports to ensure the satisfaction of client.
Identify and take corrective action (with appropriate approval) to ensure the project goals for cycle-time, cost, and quality are met.
Deliver as-built and operations/maintenance documentation to the facility.
Document key project measurements and learning experiences in the Project Closure Report

Company :	Al – Hammam Company	**From:**	Oct 1998	**To:**	Sept 1999
Project Title:	Cooling Water System Upgrade at Refinery				
Position Held :	Project Engineer				

Brief Description of Responsibilities:

In charge in the overall operation at site.
Attend weekly coordination meeting with the client.
Prepare construction work method.
Check and evaluation proposal/billing of supplier/sub-contractor.
Coordinate and presentation as built plan and drafting works
Prepare quantity take-off and cost analysis for change order/work variation.
Perfumed inspection to verify compliance with drawings, technical specification, codes and procedures of the following activities;
Field fabrication of pipe spool and installation of mechanical equipment, piping, valves, fittings and all pipe support.
Monitoring of field welding works, welder qualification, welding rod control and welding machine including its accessories.
Monitoring and witnessing of construction testing activities done by sub-contractor such as RT, UT, PT, MT Hydro-test, Pneumatic Air Test, and Holiday Test.
Line checking of all piping system and pipe support to make sure that the system are complete prior to testing.
Monitoring of mechanical equipment alignment and functional test.
Initiation of NCR if procedure violation and non-acceptable are observed.
Documented, recorded all gathering inspection, data test certificate to be submitted to customer for approval and acceptance.
Prepare daily production report as per manpower mobilization status.

Select production test samples, evaluated test result and maintain records and prepare report.

Company :	Al – Hammam Company	**From:**	Oct 1995	**To:**	Sept 1998
Project Title:	Fire & Safety Upgrade at Refinery				
Position Held :	Project Engineer				

Brief Description of Responsibilities:

In charge in the overall operation at site.
Attend weekly coordination meeting with the client.
Prepare construction work method.
Check and evaluation proposal/billing of supplier/sub-contractor.
Coordinate and presentation as built plan and drafting works.
Prepare quantity take-off and cost analysis for change order/work variation.
Perfumed inspection to verify compliance with drawings, technical specification, codes and procedures of the following activities;
Field fabrication of pipe spool and installation of mechanical equipment, piping, valves, fittings and all pipe support.
Monitoring of field welding works, welder qualification, welding rod control and welding machine including its accessories.
Monitoring and witnessing of construction testing activities done by sub-contractor such as RT, UT, PT, MT Hydro-test, Pneumatic Air Test, and Holiday Test.

- Line checking of all piping system and pipe support to make sure that the system are complete prior to testing.
- Monitoring of mechanical equipment alignment and functional test.
- Initiation of NCR if procedure violation and non-acceptable are observed.
- Documented, recorded all gathering inspection, data test certificate to be submitted to
- customer for approval and acceptance.
- Prepare daily production report as per manpower mobilization status.

Select production test samples, evaluated test result and maintain records and prepare report.

PERSONAL DATA

Name Gulam Dastagir ***Nationality:*** Indian

Job Title Project Manager ***Years with the Company:*** 10

EDUCATION

	Type of Schooling/Training	Type of Degree/Certification
Graduate College	Polytechnic	Mechanical Engineer
Undergraduate College		
Technical School:		

WORK EXPERIENCE

Company : Al-Hammam Company **From:** 1999 **To:** Present

Position Held : Project Manager

Brief Description of Responsibilities:

Coordinate with CRPD (Client) site representative and Project Management Team (PMT) Senior Project Engineer for monitoring the progress of all construction related activities. Allocating adequate site supervision, resources and proper utilization of manpower and equipment for Construction, Pre-Commissioning & Commissioning activities. Leading weekly and monthly progress review meetings. Enforcing safety precaution as per Saudi Aramco (client) requirements. Adhering to all Saudi Aramco quality requirements. Controlling and Monitoring contractor and DC supplied materials. Preparation submission of financial statement and forecasting the availability of resources with respect to project activities and projecting the management well in advance, the required cash flow at any point of time during the project.

Company : AYTB **From:** 1996 **To:** 1998

Position Held : Mechanical Supervisor

Brief Description of Responsibilities:

Responsible for piping & stationary equipments in various construction and maintenance of petrochemical plants such as expansion of chloronek, ethylene and ethylene dichloride plant for the Saudi petrochemical company.

Company : Asian Brows & Boveri (ABB) **From:** 07/95 **To:** 10/95
Position Held : Mechanical Supervisor

Brief Description of Responsibilities:

Worked in on water desalination and electricity project to complete the punch list of the boilers piping of the project.

Company : (PPC) **From:** 1987 **To:** 1995
Position Held : Mechanical Supervisor

Brief Description of Responsibilities:

Responsible for maintenance and construction of pipeline & stationary equipment of oil refinery – Qatar General Petroleum Corporation & Petrochemical Plant.

Company : Batco Kent Co **From:** 1987 **To:** 1995
Position Held : Mechanical Supervisor

Brief Description of Responsibilities:

Responsible for piping & stationary equipments on construction, erection and commissioning of utility section of Saudi Petrochemical Company (SADAF)

Company : Bharat Heavy Electrical limited. **From:** 1978 **To:** 1982

Position Held : Mechanical supervisor

Brief Description of Responsibilities:

Worked in turbines, heat exchangers and pressure vessels manufacturing unit.

PERSONAL DATA

Name P.A. Joy **Nationality:** Indian

Job Title Project Manager(E & I) **Years with the Company:** 10

EDUCATION

Type of Schooling/Training		Type of Degree/Certification
Graduate College	University of Calicut	Electronics & Communications Engineer
Undergraduate College		
Technical School:		

WORK EXPERIENCE

Company : Al-Hammam Company **From:** 1997 **To:** Present

Position Held : Project Manager (E & I)

Brief Description of Responsibilities:

Installation of all field instruments as need for the work and as indicated in the project drawing namely flow instruments, pressure instruments, level instruments, temperature instruments, relief valves and miscellaneous instruments.

Installation of an intercom system at the loading islands, operation center and hook up printer buildings including conducting, cabling and terminations. Installation of Emergency shutdown system which is activated from Terminal Management System.

Installation of Terminal Management System and TMS control network cabling.

Company : Grand Slam Communication, . **From:** 1995 **To:** 1997
Position Held : System Engineer

Brief Description of Responsibilities:

Maintenance of Instrumentation and control system of long Island Lighting Company's (LILICO) Roosweltfields Diesel Power station based on honey well TDC 3000 DCS System as well as pneumatic system.

Company : Abahsain Secam Ltd **From:** 1991 **To:** 1995
Position Held : Project Engineer

Brief Description of Responsibilities:

Project coordination for instrumentation and control, Systems modernization, including calibration, testing commissioning of devices and system, Using DCS at Berry Gas Plant of Aramco. Design, Installation and commissioning of apron flood light system at the newly built King Fahd International Airport, Dammam using MODICON-914 PLC System. Installation and commissioning of SCADA System of Saudi Consolidated Electric Company (SCECO East).

Company : Kerala State Electronics Development Corp. **From:** 1989 **To:** 1991

Position Held : Resident Engineer

Brief Description of Responsibilities:

Construction coordination of the 2*210 MW, Vijayawada Thermal Plant's Boiler Instrumentation System based on Hitachi's HIACS 3000 DDC System. Commissioning of close loop control System for boiler turbine and generator of the same Power plant. Trouble shooting and warranty Maintenance of the power plant including electronic Transmitter, analyzers (water and gas, BBC, Kent) Indicators, recorders, pneumatic system such as E/P Converter, Power cylinders, Control valves etc. Construction coordination and commissioning Of 2*110 MW Ennore coal fire thermal Baileys 9020 analog power Station's instrumentation system using Control control system and logic. Development of Software for Hitachi's Hiacs-3000 DCS & DAS system for coal fired 2*210 MW Vijayavawda Thermal Power Station, Indian.

PERSONAL DATA

Name	Kabir Ahmed Ulde	**Nationality:**	Indian
Job Title	Project Manager	**Years with the Company:**	10

EDUCATION

Type of Schooling/Training		Type of Degree/Certification
Graduate College	Bombay University	Civil Engineer
Undergraduate College		
Technical School:	C.M.I.T. Bombay	AutoCAD

WORK EXPERIENCE

Company : Al-Hammam Company **From:** 1999 **To:** Present

Position Held : Project Manager

Brief Description of Responsibilities:

Executed Sulayyil & Qassim Bulk Plant Modernization Projects.

Company : KNPC **From:** 1997 **To:** 1999
Position Held : Civil Engineer

Brief Description of Responsibilities:

Supervision and execution of Civil Works Quality control monitoring, coordinating with sub-contractors. Access and Patrol Roads, Flood Barrier, Pre-cast Light pole Foundations, Fencing, Construction of control room and dispatch building, cable duct banks, fiber reinforced concrete driveways, underground service lines protection, raised flooring etc. also as acting Safety Officer.

Company : Pusat Latihan Belia **From:** 1994 **To:** 1996
Position Held : Site Engineer

Brief Description of Responsibilities:

Site execution including mobilization, work schedules, estimates, weekly and monthly programs. Resource allocation, monitoring and indenting materials, maintaining quality records as per ISO-9002. Liaison with nominated subcontractor and consultants, scrutiny of subcontractors bills supervision of various external and internal works e.g. steel tube piles, H-piles, micro piles, pad foundations etc. R.C.C. structures, insulation blocks and brickwork roads, Walkways, drains & sewerage system. Finishing works including parquet flooring, IPS and ceramic flooring, pre-cast concrete items, joinery and interior work like acoustic ceilings, wooden slatted ceilings lexicon aluminum ceiling etc. reporting to Project Manager.

Company : Abahsain Secam Ltd **From:** 1991 **To:** 1995
Position Held : Project Engineer

Brief Description of Responsibilities:

Project coordination for instrumentation and control, Systems modernization, including calibration, testing commissioning of devices and system, Using DCS at Berry Gas Plant of Aramco. Design, Installation and commissioning of apron flood light system at the newly built King Fahd International Airport, Dammam using MODICON-914 PLC System. Installation and commissioning of SCADA System of Saudi Consolidated Electric Company (SCECO East).

Company : Kerala State Electronics Development Corp. **From:** 1989 **To:** 1991
Position Held : Resident Engineer

Brief Description of Responsibilities:

Construction coordination of the 2*210 MW, Vijayawada Thermal Plant's Boiler Instrumentation System based on Hitachi's HIACS 3000 DDC System. Commissioning of close loop control System for boiler turbine and generator of the same Power plant.

Trouble shooting and warranty Maintenance of the power plant including electronic Transmitter, analyzers (water and gas, BBC, Kent) Indicators, recorders, pneumatic system such as E/P Converter, Power cylinders, Control valves etc. Construction coordination and commissioning Of 2*110 MW Ennore coal fire thermal power Station's instrumentation Baileys 9020 analog control system and logic. Development system using Control of Software for Hitachi's Hiacs-3000 DCS & DAS system for coal fired 2*210 MW Vijayavawda Thermal Power Station, Indian

COMPANY CAPABIILIITIIES
&
PAST EXPERIIENCE

2.1 - Group Service Matrix

Discipline Description	Al-Hammam Group of Companies Capabilities											
	1 AHC	2 Aban	3 Jueco	4 Z-Technologies	5 OSG	6 WSS	7 BlueRig	8 ANC Insurance Co.	9 ITSS	10 CSI	11 AHMT	12 HMH Trading
Automation				X								
Boiler Maintenance	X	X										
Bridges		X										
Bundle Pulling		X										
Cable Laying & Pulling	X	X			X						X	
Catalyst Handling		X										
Cathodic Protection		X										
Chemical Cleaning												
Civils Foundation	X	X			X							
Commissioning	X	X										
Industrial Plant Construction	X	X										
Consultancy Services		X		X					X	X		
Copper Splicing	X										X	
Cross Country Pipelines		X	X									
DCS/SCADA		X		X							X	
Electrical & Instrumentation (Field)	X	X		X	X							
Equipment Inspection	X	X			X	X						
Oil & Gas Exploration			X									
Fiber Optic Splicing	X									X		
Field Instrumentation	X			X	X							
Full Range Insurance								X				
Hazardess Operations Trading						X					X	
Heat Exchanger Re-Tubing	X	X										
Heavy Lift	X	X			X							
Hydroblasting	X											
IT Solutions				X						X	X	
Machining	X	X			X							
Mrktng & Sales									X			X
Offshore Oil Field Services		X	X									
Offshore Pipelines		X										
Onshore Drilling Services		X	X									
Osha Training						X						
Paint, Blast & Coats	X											
Pipe Erection & Maintenance	X	X										
Planning	X	X	X	X	X	X	X	X	X	X	X	
Power Plants		X										
Pre-Commissioning	X	X										
Procurement	X								X	X	X	X
Project Management	X	X	X							X	X	
Recruiting	X	X								X		
Refractory, Insulation & Cladding	X								X			
Rotating Equipment Repairs	X			X								
Safety Training					X							
Scaffolding	X	X			X							
fabrication & Manufacturing	X	X										
Tank Cleaning	X	X										
Tank Repair	X	X										
Telecommunication (ISP)											X	
Telecommunication (OSP)											X	
Transport	X											
Tunneling		X										
Valve Overhaul	X											
Vessel & Column Maintenance	X	X										
Welding & Fabrication	X	X			X							
Welding (ASME)	X	X										

Intentionally Left Blank

Section 2.0 Company Capabilities & Past Experience

Client's Company Name:	Client's Company Address:
SAUDI ARAMCO	**SAUDI ARAMCO P.O. BOX 1500, DHAHRAN 31311, Saudi Arabia**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MR. A. I. AL WARTHAN	**01-285-1746**	**03-862 1013**

Contract No.:	Contract Type:	Contract Title:
44652/00	**LSPB**	**ROYALTY CRUDE METERING STATION IN RIYADH REFINERY**

Were you the Prime Contractor or a Sub-Contractor	**PRIME CONTRACTOR**

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
28-OCT-01	**28-Jun-2002**	**28-Jun-2002**	**28-Jun-2002**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
3,496,836.30	**Nil**

Describe the contract's scope of work:

The scope includes piping, installation of metering, prover and sampling skids, instrumentation, communications, construction of oily water sewer system, foundations, pipe supports & sleepers, construction new UPS Building (SSD 9) HVAC Works, Electrical and Plumbing works.

What are the major materials procured by your Company under this Contract?

Pipes, fitting, valves, panel board, cable and electrical conduiting and fittings.

Provide a brief description of any work that you subcontracted to others in this contract:

No Sub-Contract.

2.2 General Construction

Client's Company Name:	Client's Company Address:
SAUDI ARAMCO	**SAUDI ARAMCO P.O. BOX 1500, DHAHRAN 31311, Saudi Arabia**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MR. BEN MAHFOUDH	**285-1746**	**285-1793**

Contract No.:	Contract Type:	Contract Title:
6600001741	**LSPB**	**CRUDE & VACUUM HEATERS REPLACEMENT**

Were you the Prime Contractor or a Sub-Contractor	**PRIME CONTRACTOR**

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
APR. 23, 2002	**NOV. 29, 2003**	**-**	**-**	**3%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
21,657,988.00	**NO**

Describe the contract's scope of work:

The Project scope includes foundation for fuel skids, process vessels & oil heater stack, concrete paving, oily water system, pipe rack/pipe supports/plat forms- structural works, C.S. piping , P5 x P9 special alloy piping, steam heat tracing , hydro-testing, insulation, crude heater and vacuum heater installation, dry out, fuel oil skids erection, vacuum tower modifcation, port weld heat treatment, tie-ins, electrical work, communication work and all related instrumentation work.

What are the major materials procured by your Company under this Contract?

Pipes & Fittings, Structural steel, valves, insulation, refractory lining material, power, control & instrument cables, transformer, instruments, and Conduits & cable tray.

Provide a brief description of any work that you subcontracted to others in this contract:

No Sub-Contract.

Section 2.0 Company Capabilities & Past Experience

Client's Company Name:	Client's Company Address:
SAUDI ARAMCO	**SAUDI ARAMCO P.O. BOX 1500, DHAHRAN 31311, Saudi Arabia**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MR. ABDULLAH M. MANNA Project Manager	**03-862 2414**	**03-862 1013**

Contract No.:	Contract Type:	Contract Title:
44353/00	**LSPB**	**BULK PLANT MODERNIZATION PROJECTS CENTRAL REGION**

Were you the Prime Contractor or a Subcontractor?	**PRIME CONTRACTOR**

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
9-OCT-99	**5-NOV-01**	**-**	**5-NOV-01**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
76,234,546.00	**1.8% (1,012,222.00)**

Describe the contract's scope of work:

This project includes, but is not limited to the following activities at distribution bulk plants located throughout the Central region of Saudi Arabia. All works of the following types are accomplished without major disruptions in the operations at bulk plant facilities.

* Product tank farm piping
* Tank farm dike walls
* Construction of 13 Concrete manholes
* Installation of Vertical Maximum Flow Sump Pump & Effluent Water Pump, Recovered Product Pumps
* Pump Stations
* Oily water separation system
* Foam & fire water systems
* Truck Loading & Unloading meter provers or modifications to existing meter proving facilities
* Expansion of existing electrical system
* New Terminal management system
* Construction of (3) Concrete Oily water sump 8x8x6 Mtr.
* Installation of new unloading facilities
* Pipeline metering & proving system
* Installation of RTR pipe, CS, SS piping system (UG/AG)

What are the major materials procured by your Company under this Contract?

* Product Recovery Tank
* Pre-Engineered Buildings
* Products Transfer Pumps
* Oily water separation system
* Foam & fire water Mtls.
* Transformers, Panel Boards, Cables, Switch Gears
* Terminal management & Intercom system
* Loading arms, Vapour Couplers, Oily water separator
* Loading modules & Flow, Pressure, Level, Temp. Instruments
* RTR pipe, CS, SS Pipes, Fittings & Valves

Provide a brief description of any work that you subcontracted to others in this contract:

We have subcontracted only the Asphalting work.

Client's Company Name:	Client's Company Address:
SAUDI ARAMCO	**SAUDI ARAMCO P.O. BOX 1500, DHAHRAN 31311, Saudi Arabia**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MR. J. A. L. BASSAM	**03-862 2414**	**03-862 1013**

Contract No.:	Contract Type:	Contract Title:
44618/00	**LSPB**	**REPLACEMENT OF AIR COMPRESSORS AT RIYADH REFINERY**

Were you the Prime Contractor or a Sub-Contractor	**PRIME CONTRACTOR**

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
AUG. 21, 2001	**APR. 28, 2002**	**APR. 28, 2002**	**APR. 28, 2002**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
8,329,864/88	**Nil**

Describe the contract's scope of work:

1) Eight Air Compressors with 1500-Hp, 4160 Volt Motors Installed at Area-22, 20 & I
2) Two Instrument/Plant Air Receivers
3) Two Instrument/Plant Air Dryers
4) One Instrument/Plant Air Compressor sunshade with lighting & electrically operated crane
5) One Operators Shelter
6) Inter-connection piping for tie-in to the existing instrument/plant air headers
7) Two 7500/10000 kVA transformers
8) High Voltage Control gear
9) Demolition of two existing instrument/plant air compressors

What are the major materials procured by your Company under this Contract?

Structural Buildings, RTR Pipes & Fittings, GS Pipes, Fittings, Valves, Transformers, Cable, Panel Boards, Relay Panel and Instruments.

Provide a brief description of any work that you subcontracted to others in this contract:

No Sub-Contract

Section 2.0 Company Capabilities & Past Experience

Client's Company Name:	Client's Company Address:
SAUDI ARAMCO	**SAUDI ARAMCO P.O. BOX 1500, DHAHRAN 31311, Saudi Arabia**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MR. JAMAL AL-BINALI Project Manager	**01-285 1798**	**01-285-3373**

Contract No.:	Contract Type:	Contract Title:
44306/00	**LSPB**	**UPGRADE COOLING WATER SYSTEM, RIYADH REFINERY**

Were you the Prime Contractor or a Subcontractor?	
	PRIME CONTRACTOR

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
8-JUN-98	**7-JUN-99**	**7-JUN-99**	**7-JUN-99**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
12,500,000.00	**NIL**

Describe the contract's scope of work:

This project called for the provision of Construction Management, Procurement, Supervision, Manpower, Equipment, Testing & Commissioning for the Upgrade Cooling water system at Riyadh Refinery. The Work includes but is not limited to the following:

* Installation of Cooling water Supply & Return Piping
* Installation of Cooling Towers
* Installation of all electric Switch Gears for cooling Tower fan motors
* Installation of one (1) 1 MVA Electric Transformer & Shelter
* Installation of Instrumentations
* Installation of Seven (7) Heat Exchangers
* Installation of one (1) side stream filter
* Installation of one (1) cooling water recirculation pump and steam Turbine driver
* Extend sub-station and transformer yard to accommodate the new electrical equipment
* Installation of Steam line required to support new facility
* Installation of two new stand-by water pumps
* Installation of One (1) Skid mounted chemical injection system

What are the major materials procured by your Company under this Contract?

* 1/2" to 42" dia CS Pipes & Fittings Including Valves
* Flow, Pressure, Temp. Instruments
* Transformer, Panel Boards, Cables, Switch Gears, Conduits & Fittings

Provide a brief description of any work that you subcontracted to others in this contract:

No Subcontract

Client's Company Name:	Client's Company Address:
SAUDI ARAMCO	**SAUDI ARAMCO P.O. BOX 1500, DHAHRAN 31311, Saudi Arabia**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MR. SULAIMAN A. AL-TWAIJRI Project Engineer	**01-285 1844**	**01-285 3373**

Contract No.:	Contract Type:	Contract Title:
44371/00	**LSPB**	**JET FUEL SYSTEM MODIFICATIONS AT RIYADH REFINERY**

Were you the Prime Contractor or a Subcontractor?	
	PRIME CONTRACTOR

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
11-OCT-99	**31-MAY-00**	**31-MAY-00**	**-**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
4,000,000.00	**NIL**

Describe the contract's scope of work:

Purpose of this project to provide new additive injection facilities for Jet A 1 and JP-8 production at Riyadh Refinery. The work site is located inside the Riyadh Refinery, in Pump station No. 8 & 11. Construct Piping between each piece of equipment for each chemical injection system. Install Pumps & Tanks. Provide Electrical power from substation # 9 by providing breaker in existing MCC-M 905MC91A for the new chemical injection system. Install new MCC's. Construct reinforced concrete (RC) retaining wall, Pre-engineered steel structure, construct foundations for Additive Tanks, Pumps & Construct Concrete manholes & underground drainage system. Install Positive displacement Flowmeters with flowrate indicator, totalization, and set-stop functions & PZV's.

What are the major materials procured by your Company under this Contract?

Chemical unloading pumps, Five (5) Chemical Storage Tanks, Metering pumps, Positive displacement flowmeter with flowrate indicator, totalization, and set-stop functions, Two (2) Chemical Additive injection system fluid powered type turbine injector, Stainless Steel Piping connecting the injection system to the injection point on the Jet Fuel Pump Outlet line, Five (5) Barrel pumps to transfer chemicals to storage tanks, Motor Control Centers, Local Instrument Control panels.

Provide a brief description of any work that you subcontracted to others in this contract:

No Subcontract

AHC Al Hammam Company شركة ال همام

Section 2.0 Company Capabilities & Past Experience

Client's Company Name:	Client's Company Address:
SAUDI ARAMCO	**SAUDI ARAMCO P.O. BOX 1500, DHAHRAN 31311, Saudi Arabia**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MR. ALI H. AJAJ Senior Project Engineer	**02-427 1145**	**02-638 1711**

Contract No.:	Contract Type:	Contract Title:
72172/00	**LSPB**	**JEDDAH REFINERY TRAFFIC IMPROVEMENT PROJECT - J. R.**

Were you the Prime Contractor or a Subcontractor?	
	PRIME CONTRACTOR

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
5-AUG-95	**31-DEC-95**	**31-DEC-95**	**31-DEC-95**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
6,000,000.00	**15% (900,000.00)**

Describe the contract's scope of work:

The work Consist of Demolition of affected existing curbs, gutters and side walks, security fences, subgrade preparation, excavation & Backfill, Constructing subbase and base, two course Asphalt concrete and Drainage structures for the access roads, Area & Road Lighting, Installation of power cabling and distribution boards & Circuit Breaker at the location detailed in the specification for the truck & Car Parking Area at Jeddah Refinery, West Side. Construction of Cast in Situ Underground Manholes & Installation of drainage system and connections to existing facilities.

What are the major materials procured by your Company under this Contract?

Light poles, Panel Boards, Cables, PVC Conduits & Fittings

Provide a brief description of any work that you subcontracted to others in this contract:

We have subcontracted only the Asphalting work.

Client's Company Name:	Client's Company Address:
SAUDI ARAMCO	**SAUDI ARAMCO P.O. BOX 1500, DHAHRAN 31311, Saudi Arabia**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MR. ZIAD Y.A. YASSIN Senior Project Engineer	**01-285 1798**	**01-285-3373**

Contract No.:	Contract Type:	Contract Title:
44003/00	**LS/CR**	**WORK UNIT RATE CONTRACT FOR RIYADH REFINERY # 2 SHUTDOWN**

Were you the Prime Contractor or a Subcontractor?	
	PRIME CONTRACTOR

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
20-JAN-97	**15-JAN-99**	**15-JAN-99**	**15-JAN-99**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
36,000,000.00	**NIL**

Describe the contract's scope of work:

The project called for the provision of Construction management, Procurement, supervision, manpower, Equipment, Testing, Inspection and Commissioning for upgrade / expansion of Riyadh Refinery, Rabigh Refinery, and Jizan Bulk Plant Facilities. We are currently mobilized in all areas working with operating facilities and also during plant shutdowns. The specific description of the facility(s) include (2) Cantenary Anchor Leg Mooring (CALM) type single Point Mooring (SPM) Systems capable of off loading diesel and premium gasoline from tankers rated in capacity up to 45,000 DWT; (4) 24" dia. Submarine pipelines; existing Jet A- 1 and JP- 4 tanks (upgrade to existing berths); (3) new 250 MBBL Cone Roof Storage Tanks for diesel; (3) new 150 MBBL floating Roof Storage Tanks for Premium Gasoline; conversion of two 30 MBBL floating roof and two Cone Roof Storage Tanks from diesel to Jet Fuel Service; conversion of four 30 MBBL floating roof storage tanks from premium gasoline to diesel service; dike walls for new tanks and 8 existing 30 MBBL capacity tanks. Upgrade to existing cathodic protection.

What are the major materials procured by your Company under this Contract?

Major Materials Supplied by SAUDI ARAMCO

Provide a brief description of any work that you subcontracted to others in this contract:

No Subcontract

Section 2.0 Company Capabilities & Past Experience

Client's Company Name:	Client's Company Address:
SAUDI ARAMCO	**SAUDI ARAMCO** **P.O. BOX 1500, DHAHRAN 31311, Saudi Arabia**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MR. STAN HALLMARK	**03-875 5827**	**03-873 0299**

Contract No.:	Contract Type:	Contract Title:
37932/00	**LSPB**	**JU'AYMAH LAYDOWN GRADING**

Were you the Prime Contractor or a Subcontractor?	
	PRIME CONTRACTOR

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
26-JUL-94	**28-FEB-95**	**28-FEB-95**	**-**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
4,000,000.00	**NIL**

Describe the contract's scope of work:

The Contract scope of work called for the provision of manpower, equipment and materials for the complete site development and upgrade for the Ras Tanura Refinery Upgrade program laydown area. The work included grading, excavation, backfill, dewatering and the construction of roads & culverts. The contract was very critical in fact, we had to pay very close attention to safety, due to the heavy traffic created by our marl/sand hauling activity. We maintained our 35 Dump trucks, 5 Dozers, 6 Loaders and a large number of assorted civil equipment for the early completion of this project. We successfully implemented the SAEP- 1023 Quality Assurance & Quality Control requirements and maintained safety awareness at it's highest level.

What are the major materials procured by your Company under this Contract?

36" dia CS Pipe for Culvert

Provide a brief description of any work that you subcontracted to others in this contract:

No Subcontract

Client's Company Name:	Client's Company Address:
SAUDI ARAMCO	**SAUDI ARAMCO** **P.O. BOX 1500, DHAHRAN 31311, Saudi Arabia**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MR. STAN STOKES	**03-874 2859**	**03-874 2859**

Contract No.:	Contract Type:	Contract Title:
40644/00	**LSPB**	**REPAIR OF QURAYYAH SEAWATER ABOVE GRADE CANAL**

Were you the Prime Contractor or a Subcontractor?	
	PRIME CONTRACTOR

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
24-OCT-94	**31-DEC-95**	**31-DEC-95**	**-**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
6,000,000.00	**NIL**

Describe the contract's scope of work:

The Contract scope of work required the provision of manpower, equipment and materials for the complete repair rehabilitation of the Quarayyah sea water basin facility. The project was critical in that this sea water is required for the entire southern area oil producing facility. The structure had to be repaired during operation and under very tighting working conditions. We utilized specialized equipment for the removal of concrete (Robotic Hydrodemolition) and wet shot crete was required for the replacement of the concrete. We were also required to design special scaffolding in order for the crews to work directly above and inside the canal. In addition to Scaffolding we specially designed coffer dams to protect the demolished concrete and blasted debris from falling into canal. The work also included blasting, painting, grouting and crack injection repairs.

What are the major materials procured by your Company under this Contract?

Special Concrete

Provide a brief description of any work that you subcontracted to others in this contract:

No Subcontract

Section 2.0 Company Capabilities & Past Experience

Client's Company Name:	Client's Company Address:
SAUDI ARAMCO	**SAUDI ARAMCO P.O. BOX 1500, DHAHRAN 31311, Saudi Arabia**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MR. STAN HALLMARK	**03-875 5827**	**03-873 0299**

Contract No.:	Contract Type:	Contract Title:
37772/00	**LSTK**	**CONTRACTOR I. D. BUILDING**

Were you the Prime Contractor or a Subcontractor?	
	PRIME CONTRACTOR

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
15-NOV-93	**15-MAY-94**	**15-MAY-94**	**-**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
1,562,000.00	**NIL**

Describe the contract's scope of work:

Furnish all Detailed Engineering and Design Services, Labor, Equipment, Permanent and Consumable Materials and shall perform all operations and Task required to design, supply and install a Contractor Identification Building. Size of building 27.4 x 18.40 x 4.05 Mtr. The work includes design and detailed Engineering, Fabrication of Pre-engineered building Assemblies and installation of all utilities etc... The job includes Plumbing, Mechanical, Electrical, HVAC, Telephone & Fire Alarm System. The work performed adjacent to the Government Highway to the West of the Ras Tanura Refinery.

What are the major materials procured by your Company under this Contract?

Electrical system including power, Lighting, Grounding and Controls, Complete Fire Protection System, Mechanical System Including HVAC and Controls, Telephone system includes Distribution Frame, Terminal cabinets & Underground cables, Telephone pedestals.

Provide a brief description of any work that you subcontracted to others in this contract:

No Subcontract

Client's Company Name:	Client's Company Address:
IBN ZAHR	**IBN ZAHR, JUBAIL, SAUDI ARABIA**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MR. KHALED DOHAILAN	**03-340 6887**	**03-340 6887**

Contract No.:	Contract Type:	Contract Title:
PP EXPANSION II	**LSPB**	**POLYPROPYLENE PLANT EXPANSION**

Were you the Prime Contractor or a Subcontractor?	
	PRIME CONTRACTOR

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
10-JAN-94	**31-DEC-95**	**31-DEC-95**	**-**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
38,000,000.00	**NIL**

Describe the contract's scope of work:

The Contract called for the provision of Construction Management, Procurement, Supervision, Manpower, Testing & Commissioning for the expansion of an existing polypropylene process and storage facility. The project was adjacent to an operating plant and included construction & installation of (4) Bulk Storage Tank, automated conveyor belt packing system, warehouse storage facilities and receiving dock expansion. The specific scope of work required us to install heavy vessel foundation, vessel erection, process piping (2" to 12" dia) stainless steel and carbon steel, installation of air, water telecommunications, fire alarm network and electrical utility lines. The project also required us to provide all civil and earth related works.

What are the major materials procured by your Company under this Contract?

* Product Storage Tank
* Pre-Engineered Buildings
* CS pipes, SS Pipes, Fittings & Valves
* Foam & fire water Mtls.

Provide a brief description of any work that you subcontracted to others in this contract:

No Subcontract

Al Hammam Company
شركة ال همام

Section 2.0 Company Capabilities & Past Experience

Client's Company Name:	Client's Company Address:
ARCENT, US ARMY	**LOGISTICS SUPPORT DIVISION, AFSAC/PKT, WRIGHT-PATTERSON AFB, OHIO**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MAJOR SMARDZ	**01-478 1100**	**01-478 2200**

Contract No.:	Contract Type:	Contract Title:
DSA01-91-CO127	**LSPB**	**CAMP DOHA - INFRASTRUCTURE MODIFICATION & UPGRADE**

Were you the Prime Contractor or a Subcontractor?	
	PRIME CONTRACTOR

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
8-MAR-91	**7-FEB-92**	**7-FEB-92**	**-**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
146,000,000.00	**10.96% (16,001,600.00)**

Describe the contract's scope of work:

The project called for the provision of expansion / upgrade to a strategic US - Kuwait Military Complex. The expansion of the Bulk Storage Facility was for (1) JP-2 Unit; (4) Diesel Storage Tanks and (1) Oil Lubricant Storage Tank. The facility also included (2) Underground Hazardous Waste Storage Tanks. The receiving facility included 6 loading islands and a central Control Room. Other elements of the project included Soil Remediation and Hazardous Material Removal; expansion to solid material storage warehouses and power distribution upgrade. Distribution piping from storage area to receiving area was done through the installation of 12" and 24" dia pipes. The facility stayed in operation throughout the project. The work included more than 80 tie-ins and 8 Hot Taps. Other services provided included Concrete Hydrodemolition, Hydrocutting (up to 36,000 psi) and sludge Removal (Hydroblasting) of existing tank.

What are the major materials procured by your Company under this Contract?

* Product Storage Tank
* Pre-Engineered Buildings
* Loading modules & Flow, Pressure, Level, Temp. Instruments
* Foam & fire water Mtls.
* Transformers, Panel Boards, Cables, Switch Gears
* Fire Alarm System
* CS pipes, SS Pipes, FBE Coated Pipes, Fittings & Valves

Provide a brief description of any work that you subcontracted to others in this contract:

Site preparation, Environmental Remediation and Hazardous Waste Removal & Handling

Client's Company Name:	Client's Company Address:
SAUDI ARAMCO	**SAUDI ARAMCO P.O. BOX 1500, DHAHRAN 31311, Saudi Arabia**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MR. BRIAN LAWRENCE	**03-577 0950**	**03-577 0950**

Contract No.:	Contract Type:	Contract Title:
37483/00	**LSPB**	**HCP WAREHOUSE FACILITIES - HAGOSP-4 MAINTENANCE BLDG. & HAGOSP-2 WELL SERVICES BUILDING**

Were you the Prime Contractor or a Subcontractor?	
	PRIME CONTRACTOR

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
4-AUG-92	**3-AUG-93**	**30-OCT-93**	**-**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
18,000,000.00	**12% (2,160,000.00)**

Describe the contract's scope of work:

The Contract scope included the construction of Three GOSP support facilities & provision of Material, Labor & Equipment. Our Scope consist of Warehouse building, maintenance building, Well services building, Office building etc.. Job Consists of rock removal, excavation, foundation, sewage lines, construction of manholes, water lines, grading/leveling, asphalting, painting, fabrication & erection of steel structure cladding, insulation, overhead cranes, HVAC, Fire alarm, communication etc.. The warehouse consist of a single span building 200' x 130' x 18' internal eave height having an area of 23,000 Sq. ft. The Office building insulated & measure 135' x 40' having an area of 5,400 sq. ft. The Maintenance building consist of 75' x 80' metal structure having an area of 6,000 sq. ft with insulated roof & wall panels. Well Services building consist of 108' x 80' metal structure having an area of 8,640 sq. ft with insulated metal roof & wall panels. A story of portion of the building contain offices & a lab. The walls are gypsum board or metal stud with suspended acoustical ceilings.

Supply & Construction of under ground piping system. Supply & Installation of electrical system in all four buildings & fuel station, gate house & Tie-in to the existing distribution system. Supply & installation of the interior telephone cable distribution network & installation of conduits, fittings, cable trays, outlets, distribution terminals & other components. All above work there done as per Saudi Aramco Standards, procedures & Specifications.

What are the major materials procured by your Company under this Contract?

* FBE coated CS Pipes & Fittings Including Valves
* Pre-engineered Buildings & Complete Building materials.

Provide a brief description of any work that you subcontracted to others in this contract:

Pre-Engineered Buildings & Asphalting work

Al Hammam Company
شركة ال همام

Section 2.0 Company Capabilities & Past Experience

Client's Company Name:	Client's Company Address:
SAUDI ARAMCO	**SAUDI ARAMCO P.O. BOX 1500, DHAHRAN 31311, Saudi Arabia**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
MR. OSAMA JUNAID	**03-872 1005**	**03-872 1005**

Contract No.:	Contract Type:	Contract Title:
37320/00	**LSPB**	**CONSTRUCTION OF 13.8 KVA OVERHEAD POWERLINE**

Were you the Prime Contractor or a Subcontractor?	**PRIME CONTRACTOR**

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
1-JAN-91	**28-FEB-92**	**28-FEB-92**	**-**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
4,000,000.00	**NIL**

Describe the contract's scope of work:

Procure and installation of 13.8 KV Overhead power lines, Pole line hardware Distribution Panels all related substation Instrumentation, switches, splicing/termination. Complete Civil Job, Excavation, Road work, Foundation Work, Trench work, Pole Erection, Electrical work, Interconnections with substations and overhead powerlines, Supply and installation of 2500 KVA Transformer, Extend substation and the transformer yard to accommodate the new electrical equipment and the instrumentation cabinet, Testing & Commissioning.

What are the major materials procured by your Company under this Contract?

Transformers, Panel Boards, Cables, Switch Gears, Conduits & Fittings

Provide a brief description of any work that you subcontracted to others in this contract:

No Subcontract

Client's Company Name:	Client's Company Address:
US AIRFORCE	**US AIRFORCE, DHAHRAN AIR BASE, DHAHRAN**

Name of Client's Representative:	Client's Representative's Phone No.:	Client's Representative's Fax No.:
CAPT. UHRBROCK	**03- 899 1119**	**03- 899 1119**

Contract No.:	Contract Type:	Contract Title:
CC-92-DS-AF783	**LSPB**	**SUPPLY & CONSTRUCT AIRCRAFT SUPPORT FACILITIES - DAB**

Were you the Prime Contractor or a Subcontractor?	**PRIME CONTRACTOR**

Date Awarded:	Scheduled Completion Date	Date Completed:	Estimated Completion Date:	Current % Complete:
3-DEC-91	**7-MAY-93**	**7-MAY-93**	**-**	**100%**

Value of Contract (Saudi Riyals):	% of Subcontracted Work (Saudi Riyals):
41,000,000.00	**NIL**

Describe the contract's scope of work:

The Contract scope of work called for the provision of Construction, Procurement, Testing & Commissioning for new aircraft support facilities. The facility included a Fuel Storage Depot, Aircraft Maintenance Hanger and related utilities and electrical instrumentation works. The facility included 46,000 Square Meter of warehouse / office space; (2) Diesel Storage Tanks; (Appx. 22 Mtr. Dia x 12 Mtr. Height) for Aircraft Support Vehicles; (1) Jet Fuel Storage Tanks; (Appx. 18 Mtr. Dia x 12 Mtr. Height); (2) Underground strategic oil tanks; distribution was done through 12" pipelines; utilities included high pressure water / air lines, raw water, sewerage, Cathodic Protection grid, lightings, Level Transmitters, Flow Meters, Level Gauges, and Perimeter Fencing. We were also responsible for power conversion from 69 kV to 13.8 kV Overhead to Underground.

What are the major materials procured by your Company under this Contract?

* Product Storage Tank
* Pre-Engineered Buildings
* Flow, Pressure, Level, Temp. Instruments
* Foam & fire water Mtls.
* Transformers, Panel Boards, Cables, Switch Gears
* CS pipes, SS Pipes, FBE Coated Pipes, Fittings & Valves

Provide a brief description of any work that you subcontracted to others in this contract:

No Subcontract

Al Hammam Company
شركة ال همام

SPECIAL INSTALLATION WORK

Activities Description	PROJECT INCLUDES SUPPLY & INSTALLATION OF 2500 KVA TRANSFORMER AND CONSTRUCTION OF SUB-STATION FOR SAUDI ARAMCO
Manufacturer Name	WESCOSA
Equipment Type & Model	2500 KVA TRANSFORMER
Client Name	SAUDI ARAMCO
Project Title & Contract #	CONSTRUCTION OF 13.8 KVA OVERHEAD POWER LINE (37320/00)
Client Contact Number	MR. OSAMA JUNAID, PHONE: 03-872-1005
Completion Period	SIX (6) MONTHS
Type of Contract	LUMP SUM PROCURE & BUILD (LSPB)

Section 2.0 Company Capabilities & Past Experience

Activities Description	PROJECT INCLUDES COOLING WATER/ CHEMICAL INJECTION SKID AND FILTER SKID CONTROL SYSTEM. JOB INCLUDES THE INSTALLATION, CABLING AND COMMISSIONING OF THE SYSTEM
Manufacturer Name	ALLEN BRADLY
Equipment Type & Model	PLC/DCS
Client Name	SAUDI ARAMCO - RIYADH REFINERY
Project Title & Contract #	UPGRADE COOLING WATER SYSTEM - RIYADH REFINERY (44306/00)
Client Contact Number	MR. JAMAL AL-BINALI, PHONE:01-285-1798
Completion Period	TWELVE (12) MONTHS
Type of Contract	LUMP SUM PROCURE & BUILD (LSPB)

Section 2.0 Company Capabilities & Past Experience

Activities Description	PROJECT INCLUDES CONSTRUCTION OF FOUNDATIONS AND INSTALLATION OF COOLING WATER CIRCULATION PUMPS AND STEAM TURBINE DRIVER PUMPS
Manufacturer Name	GOULD PUMPS INC.
Equipment Type & Model	-
Client Name	SAUDI ARAMCO - RIYADH REFINERY
Project Title & Contract #	UPGRADE COOLING WATER SYSTEM, RIYADH REFINERY (44306/00)
Client Contact Number	MR. JAMAL AL-BINALI -PHONE 01-285-1798
Completion Period	TWELVE (12) MONTHS
Type of Contract	LUMP SUM PROCURE AND BUILD (LSPB)

Section 2.0 Company Capabilities & Past Experience

Activities Description	EIV UPGRADE PROJECT INCLUDES THE INSTALLATION OF CONTROL PANELS, RELAY PANELS, MARSHALLING CABINETS, INSTRUMENT AIR TUBING, CALIBRATION OF DEVICES AND HOOK-UP TO DCS SYSTEM INCLUDING WIRING, LOOP CHECKING ETC. THE LOCATION OF THE JOB IS RIYADH REFINERY
Manufacturer Name	HONEYWELL
Equipment Type & Model	TDC-3000
Client Name	SAUDI ARAMCO - RIYADH REFINERY
Project Title & Contract #	WORK UNIT RATE CONTRACT FOR RIYADH REFINERY # 2 SHUTDOWN
Client Contact Number	MR. ZIAD Y.A. YASSIN, PHONE 01-285-1798
Completion Period	TWENTY FOUR (24) MONTHS
Type of Contract	LUMP SUM CONSTRUCTION REPAIR (LS/CR)

Section 2.0 Company Capabilities & Past Experience

Activities Description	ACTIVITIES INCLUDE THE CABLING, TERMINATION AND INTER-CONNECTION OF CONTROL, INSTRUMENTATION SYSTEM, RADAR TANK GAUGING SYSTEM AND CENTRAL MONITORING SYSTEM FOR THE JIZAN BULK PLANT UPGRADING PROJECTS
Manufacturer Name	UCOS, GEORGIA, USA
Equipment Type & Model	UCOS, DCS
Client Name	SAUDI ARAMCO - JIZAN BULK PLANT
Project Title & Contract #	WORK UNIT RATE CONTRACT FOR RIYADH REFINERY # 2 SHUTDOWN
Client Contact Number	MR. ZIAD Y.A. YASSIN, PHONE 01-285-1798
Completion Period	TWENTY FOUR (24) MONTHS
Type of Contract	LUMP SUMP PROCURE AND BUILD (LSPB)

Section 2.0 Company Capabilities & Past Experience

Activities Description	PROJECT INCLUDES SUPPLY & INSTALLATION OF 12 PUMPS & ASSOCIATED STAINLESS PIPING (SS 316L) SUPPLY, FABRICATION AND INSTALLATION FROM ½" DIA TO 10" DIA.
Manufacturer Name	-
Equipment Type & Model	-
Client Name	SAUDI ARAMCO - RIYADH REFINERY
Project Title & Contract #	JET FUEL SYSTEM MODIFICATIONS AT RIYADH REFINERY (44371/00)
Client Contact Number	MR. SULAIMAN A. AL-TWAIJRI- PHONE 01-285-1844
Completion Period	SIX (6) MONTHS
Type of Contract	LUMP SUMP PROCURE AND BUILD (LSPB)

Section 2.0 Company Capabilities & Past Experience

Activities Description	PROJECT INCLUDES THE DCS BY SIEMENS AND PLC SYSTEM - SCOPE INCLUDES WIRING, INSTALLATION OF DEVICES, CALIBRATION, LOOP CHECKING AND COMMISSIONING OF THE SYSTEM
Manufacturer Name	SIEMENS
Equipment Type & Model	TERMINAL MANAGEMENT SYSTEM / ESD SYSTEM, SIEMENS
Client Name	SAUDI ARAMCO - DISTRIBUTION PROJECTS
Project Title & Contract #	BULK PLANT MODERNIZATION PROJECT - CENTRAL REGION (44353/00)
Client Contact Number	MR. A. M. MANNA, PHONE:03-862-2414
Completion Period	TWENTY FOUR (24) MONTHS
Type of Contract	LUMP SUMP PROCURE AND BUILD (LSPB)

Section 2.0 Company Capabilities & Past Experience

Activities Description	PROJECT INCLUDES CONSTRUCTION OF THREE (3) OILY WATER SUMPS WITH SIZE OF 8 X 8 X 6 MTR. DEEP UNDERGROUND CONCRETE PITS WITH 300 MM WALL THK. AND CONSTRUCTION OF 14 EA, 2.5 X 2.5 X 2.5 MTR. UNDERGROUND MANHOLES IN RIYADH, QASSIM & NAJRAN BULK PLANTS
Manufacturer Name	NOT APPLICABLE
Equipment Type & Model	-
Client Name	SAUDI ARAMCO - DISTRIBUTION PROJECTS
Project Title & Contract #	BULK PLANT MODERNIZATION PROJECT - CENTRAL REGION (44353/00)
Client Contact Number	MR. A. M. MANNA, PHONE:03-862-2414
Completion Period	TWO (2) YEARS
Type of Contract	LUMP SUMP PROCURE AND BUILD (LSPB)

Section 2.0 Company Capabilities & Past Experience

Activities Description	PROJECT INCLUDES CONSTRUCTION OF HEAVY FOUNDATIONS AND INSTALLATION OF PRODUCT TRANSFER PUMPS MORE THAN 200 HP FOR RIYADH, QASSIM & NAJRAN BULK PLANT
Manufacturer Name	GOULD PUMPS INC.
Equipment Type & Model	DIFFERENT GOULD MODELS
Client Name	SAUDI ARAMCO - DISTRIBUTION PROJECTS
Project Title & Contract #	BULK PLANT MODERNIZATION PROJECT - CENTRAL REGION (44353/00)
Client Contact Number	MR. A. M. MANNA, PHONE:03-862-2414
Completion Period	TWO (2) YEARS
Type of Contract	LUMP SUMP PROCURE AND BUILD (LSPB)

Section 2.0 Company Capabilities & Past Experience

Activities Description	INSTALLATION OF HEAVY COMPRESSOR, PROVIDED BY SAUDI ARAMCO. INSTALLATION OF TEMPORARY COMPRESSORS, APPROXIMATELY TWENTY (20) TIE-INS COMPLETED WITHIN FOURTEEN (14) DAYS. USED 200 TON CRANE FOR LIFTING.
Manufacturer Name	HEAVY COMPRESSOR SUPPLIED BY SAUDI ARAMCO
Equipment Type & Model	DCS SYSTEM SUPPLIED BY "YOKOGAWA", INSTALLATION AND LOOP CHECKING, PRE-COMMISSIONING ACTIVITY DONE UNDER "YOKOGAWA" EXPERTS SUPERVISION.
Client Name	SAUDI ARAMCO - DISTRIBUTION PROJECTS
Project Title & Contract #	REPLACEMENT OF AIR COMPRESSORS AT RIYADH REFINERY (6400044618)
Client Contact Number	MR. J.A. AL-BASSAM, PHONE:01-285-1843
Completion Period	EIGHT (08) MONTHS
Type of Contract	LUMP SUMP PROCURE AND BUILD (LSPB)

Section 2.0 Company Capabilities & Past Experience

Activities Description	INSTALLATION OF 36" PIPE-LINE, 600 RATING CARBON STEEL PIPE LINE WITH NDT & PWHT. TEN (10) TIE-INS COMPLETED WITHIN SEVEN (07) DAYS. INSTALLATION AND PRE-COMMISSIONING OF CRUDE METERING SKIDS SUPPLIED BY SAUDI ARAMCO
Manufacturer Name	-
Equipment Type & Model	SKIDS SUPPLIED BY SAUDI ARAMCO.
Client Name	SAUDI ARAMCO - DISTRIBUTION PROJECTS
Project Title & Contract #	INSTALLATION OF ROYALTY CRUDE METERING STATION AT RIYADH REFINERY. (6400044652)
Client Contact Number	MR. A.M. AL-KHABAZ, PHONE: 01 285 2269
Completion Period	EIGHT (08) MONTHS
Type of Contract	LUMP SUMP PROCURE AND BUILD (LSPB)

Section 2.0 Company Capabilities & Past Experience

Activities Description	INSTALLATION OF CRUDE HEATERS TWO (02) NUMBERS, VACUUM HEATER ONE (01) NUMBER, TOTAL TONNAGE 600 TONS USING 600 TON CRANE. LIFTING OF HEAVY MODULES UP TO 110 METRIC TONS IN SINGLE PIECE AND INSTALLATION. WELDING OF P9 & P11 PIPING MATERIAL, PWHT AND PRE-COMMISSIONING AND COMMISSIONING.
Manufacturer Name	ABB LUMMUS
Equipment Type & Model	CRUDE AND VACUUM HEATERS
Client Name	SAUDI ARAMCO - DISTRIBUTION PROJECTS
Project Title & Contract #	CRUDE AND VACUUM HEATER REPLACEMENT AT RIYADH REFINERY. (6600001741)
Client Contact Number	MR. J.A. AL-BASSAM, PHONE: 01 285 1843
Completion Period	TWELVE (12) MONTHS
Type of Contract	LUMP SUMP PROCURE AND BUILD (LSPB)

2.3 Communications

(A).

Client's Company Name: **SAUDI ARAMCO**

Client's Company Address: **ARAMCO; CC & OS DEPT. ; DHAHRAN, SAUDI ARABIA**

Name of Client's Representative: **MR. MOHAMMED SHAMLAN**

Representative's Phone No.: **966-3-876-4092**

Contract No.: **43425/00** Contract Title: **"OSP COMMUNICATION SVCS & PREVENTIVE MAINTENANCE CONTRACT (ALL FACILITIES)"**

Estimated Completion Date: **JULY 1997** Current % Complete: **100 %**

Date Awarded: **FEB. 1993** Scheduled Completion Date: **FEB. 1997** Date Completed: **JULY 1997**

Estimated Completion Date: **JULY 1997** Current % Complete: **100 %**

Value of Contract:	Value of Supplied Materials:	Value of Subcontracts:
+30,000,000 (Saudi Riyals)	**6,000,000** (Saudi Riyals)	**NONE** (Saudi Riyals)

Describe the contract's scope of work:

The work includes new construction as well as preventive maintenance of existing communication facilities for both Outside Plant and Inside Plant, Structured Cable Wiring for Saudi Aramco facilities throughout Saudi Arabia. The sub-activities of the contract include; splicing, testing and commissioning of copper and fiber optic cables for Wide Area and Local Area networks (including overhead line and pole installation), construction of manholes, duct banks, roads, excavation under and around pipe line corridors, fencing, As-Built design preparation and submittals. The contract was initially for two (2) years, but had been extended to four (4) years and is complete. Manpower levels have exceeded two-hundred fifty men at any one time**.**

Provide a brief description of any work that you subcontracted to others:

NONE

(B).

Client's Company Name: **LITEL**

Client's Company Address: **1830 YORK ROAD; TIMONIUM, MARYLAND 21093 USA**

Name of Client's Representative: **MR. LAURENCE A. QUINN, PRESIDENT**

Representative's Phone No.: **001-508-347-5550**

Contract No.: **PNTN97/014A** Contract Title: **"NATIONAL TELECOMMUNICATIONS NETWORK - NEW ENGLAND"**

Date Awarded: **AUG. 1991** Scheduled Completion Date: **JULY 1992** Date Completed: **JULY 1992**

Estimated Completion Date: **JULY 1992** Current % Complete: **100 %**

Value of Contract: **36,000,000** (Saudi Riyals)

Value of Supplied Materials: **12,000,000** (Saudi Riyals)

Value of Subcontracts: **NONE** (Saudi Riyals)

Describe the contract's scope of work:

The contract called for the design, project management, procurement, installation, testing and commissioning of the entire long haul fiber optic transmission system. Sub-activities included exchange and central office wiring (cable lacing, pigtails and wire wraps) and installation of terminal equipment and inside plant work activities including installation of digital multiplexing, cross connect and switching equipment.

Provide a brief description of any work that you subcontracted to others:

NONE

(C).

Client's Company Name: **BRITISH TELECOM**

Client's Company Address: **TELECOM HOUSE POST POINT 67 304A; CROUCH END HILL LONDON N8 8BA**

Name of Client's Representative: **MR. JOHN THOMSON**

Representative's Phone No.: **(0272)-869-522**

Contract No.: **N/A** Contract Title: **"LONDON MEGASTREAM F/O SYSTEM"**

Date Awarded: **JULY 1987** Scheduled Completion Date: **JULY 1993** Date Completed: **JULY 1993**

Estimated Completion Date: **JULY 1993** Current % Complete: **100 %**

Value of Contract: **240,000,000** (Saudi Riyals)

Value of Supplied Materials: **80,000,000** (Saudi Riyals)

Value of Subcontracts: **NONE** (Saudi Riyals)

Describe the contract's scope of work:

The project was for the expansion/upgrade of the London Megastream communications network. Our responsibilities included design/engineering, procurement, installation, testing and commissioning for fiber optic and copper transmission systems throughout London and the Greater London Areas. The system requirements included digital mutiplexers, digital cross connects, switching installation, terminal blocks, CO outside/inside wiring, installation of pedestals, BSW up to residential MDF, AC/DC power systems related to the main line fiber optic transmission system. Sub-activities included breaking and re-instatement of road surfaces, construction of manholes, installation of aerial cable, cable lacing inside plant, rack mounting, equipment cabinets, fiber optic splicing, copper splicing, testing and commissioning of the entire network. Also included in the sub-activities were pressurization tests, roding and roping to prove planned routes.

Provide a brief description of any work that you subcontracted to others:

NONE

(D).

Client's Company Name: **Deutsche Bundespost**

Client's Company Address: **Deutsche Bundespost, East Germany**

Name of Client's Representative: **HAN-PETER SCHAWALLER**

Representative's Phone No.: **(044) 175-356-7600, for more information contact Mr. M. Murray**

Contract No.: **GECU-2046-92** Contract Title: **"EAST GERMAN TELECOMMUNICATIONS UPGRADE"**

Date Awarded: **JAN. 1992** Scheduled Completion Date: **JAN. 1994** Date Completed: **JAN 1994**

Estimated Completion Date: **JAN. 1994** Current % Complete: **100 %**

Value of Contract: **60,000,000** (Saudi Riyals)

Value of Supplied Materials: **35,000,000** (Saudi Riyals)

Value of Subcontracts: **NONE** (Saudi Riyals)

Describe the contract's scope of work:

The project was an upgrade of existing telecommunications in East Germany. Our responsibilities included design, procurement, installation, testing and commissioning of the national East German communications system. Activities included the installation of intra-city backbone fiber optic transmission system, upgrade of exchanges; digital cross connects, multiplexers and telephone switching equipment, outside plant included the expansion/upgrade of primary copper grid systems, , installation of pedestals and related outside plant equipment/materials, manhole construction , splicing, testing and commissioning of the entire network. Telecom work was also carried out in the main headquarters building including; installation of AT&T Systimax Premises Distribution Systems for a four (4) story building. The cable architecture included fiber backbone riser cable, UTP Cat. 5 horizontal cabling for LAN usage for more than 64 offices.

Provide a brief description of any work that you subcontracted to others:

NONE

(E).

Client's Company Name: **TELECOM EIREANN**

Client's Company Address: **ST. STEPHEN'S GREEN WEST; DUBLIN 2**

Name of Client's Representative: **MR. B. TRAPPE**

Representative's Phone No.: **01-714-444**

Contract No.:

Contract Title: **"TELECOM EIREANN GENERAL SERVICES"**

Date Awarded: **JAN. 1987**

Scheduled Completion Date: **JAN 1992**

Date Completed: **JAN 1992**

Estimated Completion Date: **JAN 1992**

Current % Complete: **100 %**

Value of Contract: **380,000,000** (Saudi Riyals)

Value of Supplied Materials: **220,000,000** (Saudi Riyals)

Value of Subcontracts: **40,000,000** (Saudi Riyals)

Describe the contract's scope of work:

The project was for the design, procurement, construction of the Telecom Eireann National Backbone Fiber Network. Sub-activities included AC/DC power systems, manhole construction, duct banks, underground cable plant overhauls, cable pressurization, major trunk and local cabling, co-axial cabling, fiber optic cabling, installation of terminal equipment inside plant including the installation of DACS, MUX, switching, SDH terminal equipment, UHF/VHF Radio. SDH technology utilized on this project was jointly developed between Murray International, NKT Elektronik (Digital Switch Corporation) and Telecom Eireann.

Provide a brief description of any work that you subcontracted to others:

Subcontracts included requirements for additional cable gangs / crews to pull cable, dig trenches, place conduit and specialized activities such as HVAC in various remote regions of the network.

(F).

Client's Company Name: **NYNEX**

Client's Company Address: **PATRICK DRIVE; LA GRANGEVILLE, NEW YORK 12540**

Name of Client's Representative: **MR. JAMES RORECH**

Representative's Phone No.: **001-914-223-7094**

Contract No.: **N/A** Contract Title: **GIBRALTAR FIBER INTEGRATION**

Date Awarded: **AUG. 1990** Scheduled Completion Date: **JUNE 1991** Date Completed: **JUNE 1991**

Estimated Completion Date: **JUNE 1991** Current % Complete: **100 %**

Value of Contract: **120,000,000** (Saudi Riyals)

Value of Supplied Materials: **40,000,000** (Saudi Riyals)

Value of Subcontracts: **NONE** (Saudi Riyals)

Describe the contract's scope of work:

This project included design and construct a fiber optic network and integration project with existing communications and copper grid network. The work required extensive rock excavation, usage of explosives, installation of overhead lines and hardware and upgrade of existing exchanges to include new fiber terminal equipment; digital/analog cross connect system and telephone switching equipment.

Provide a brief description of any work that you subcontracted to others:

NONE

(F).

Client's Company Name: **NYNEX**

Client's Company Address: **PATRICK DRIVE; LA GRANGEVILLE, NEW YORK 12540**

Name of Client's Representative: **MR. JAMES RORECH**

Representative's Phone No.: **001-914-223-7094**

Contract No.: **N/A** Contract Title: **"NEW YORK/NEW ENGLAND OPTIC FIBER SYSTEM"**

Date Awarded: **SEPT. 1991** Scheduled Completion Date: **FEB. 1993** Date Completed: **FEB. 1993**

Estimated Completion Date: **FEB. 1993** Current % Complete: **100 %**

Value of Contract: **150,000,000** (Saudi Riyals)

Value of Supplied Materials: **85,000,000** (Saudi Riyals)

Value of Subcontracts: **NONE** (Saudi Riyals)

Describe the contract's scope of work:

The project was a new installation and integration of existing communications network for NYNEX SNET & NET local line and trunk backbone fiber network. The work included design, procurement, installation, testing and commissioning of the entire network. Sub-activities included upgrade and installation of fiber optic terminal equipment and CO exchange telephone switch upgrade/installations. Additional contract scope included work carried out within the campus headquarters buildings; a Token-Ring LAN network consisted of eight (8) office complexes; installation of AT&T Systimax Premises Distribution Systems, 3FLX riser cable, Cat.5 UTP cabling installation and configuration of routers, bridges and hubs (Cisco and SynOptics). Due to non-availability of duct space, we were required to remove/expand internal ducting while the buildings were in full occupancy and usage.

Provide a brief description of any work that you subcontracted to others:

NONE

(G).

Client's Company Name: **Saudi PTT (MOPTT)**

Client's Company Address: **Dammam, Saudi Arabia**

Name of Client's Representative: **Mr. Mohammed Ghanas, Construction Manager**

Representative's Phone No.: **(03) 841-0048**

Contract No.: **1502** Contract Title: **"Outside Plant Access/Junction Service Order"**

Date Awarded: **Nov. '96** Scheduled Completion Date: **Nov. '97** Date Completed: **Nov.'97**

Estimated Completion Date: **Expected Negotiated Extension on Contract** Current % Complete: **100%**

Value of Contract: **+25,000,000** (Saudi Riyals)

Value of Supplied Materials: **3,000,000** (Saudi Riyals)

Value of Subcontracts: **NONE** (Saudi Riyals)

Describe the contract's scope of work:

This project is currently under way and includes the provision of materials, construction/installation/splicing and testing of fiber and copper cable networks including duct banks, manholes (type "A", "B", "C" and "D"), direct buried cable(s), road excavation and re-instatement within various Eastern Province cities, including Dammam and Al-Khobar. We have been ranked as one of the top contractors for Safety and Quality execution within the PTT contractor community. Due to the early completion of all projects under this contract, we had been invited to assume other contractor's work loads on a negotiated basis.

Provide a brief description of any work that you subcontracted to others:

NONE

(H).

Client's Company Name: **AT&T**

Client's Company Address: **Riyadh, Saudi Arabia**

Name of Client's Representative: **Paul Denmark and Walter Koenig, Transmission Manager(s)**

Representative's Phone No.: **(01) 239-7000**

Contract No.: Contract Title: **Riyadh Fiber Optic Token Ring**

Date Awarded: **Jan. '94** Scheduled Completion Date: **July '94** Date Completed: **July '94**

Estimated Completion Date: **July '94** Current % Complete: **100%**

Value of Contract: **3,200,000** (Saudi Riyals)

Value of Supplied Materials: **NONE** (Saudi Riyals)

Value of Subcontracts: **NONE** (Saudi Riyals)

Describe the contract's scope of work:

This contract called for the provision of manpower and equipment to install and splice fiber optic cable. The contract required us to provide Western Expat splicer(s), desert all wheel drive splicing vans for the completion of the job, as required by the client's schedule and contract terms and conditions.

Provide a brief description of any work that you subcontracted to others:

NONE

(I).

Client's Company Name: **Saudi Aramco**

Client's Company Address: **GOSI Building, Dammam Saudi Arabia**

Name of Client's Representative: **George Woods**

Representative's Phone No.: **827-1060 x 219 GOSI BLDG.**

Contract No.: **45137/00** Contract Title: **Juyamah Trestle Fiber Optic**

Date Awarded: **April '94** Scheduled Completion Date: **June '96** Date Completed: **April '97**

Estimated Completion Date: **April '97** Current % Complete: **99%**

Value of Contract: **3,600,000** (Saudi Riyals)

Value of Supplied Materials: **600,000** (Saudi Riyals)

Value of Subcontracts: **NONE** (Saudi Riyals)

Describe the contract's scope of work:

This project was for the provision and construction/installation of fiber optic cable on the Juyamah Trestle including construction of manholes and asphalt breaking and re-instatement. This project was delayed by Saudi Aramco, due to the installed fiber cable being damaged by other contractors and part of the trestle being damaged by weather conditions. We have continued to respond to Aramco needs, even though the contract has been delayed for more than 10 months by Saudi Aramco decision. We believe this shows our good faith and earnest interest to continue providing Aramco with professional communication services. We consider this project a success because both our management and Saudi Aramco management have continued to work together to find a final solution without a major cost impact to our client, Saudi Aramco.

Provide a brief description of any work that you subcontracted to others:

NONE

(J).

Client's Company Name: **Hadeed Steel Plant**

Client's Company Address: **Jubail, Saudi Arabia**

Name of Client's Representative: **Y. Abdel-Ghani**

Representative's Phone No.: **(03) 357-1100**

Contract No.: **CM-88-07** Contract Title: **"New CMO Building - Telephone, Computer & Fire Alarm Network"**

Date Awarded: **Sept. 13, '91** Scheduled Completion Date: **Sept. 12, '92** Date Completed: **Sept. 12, '92**

Estimated Completion Date: **Sept. 12, 1992** Current % Complete: **100%**

Value of Contract: **2,300,000** (Saudi Riyals)

Value of Supplied Materials: **780,000** (Saudi Riyals)

Value of Subcontracts: **NONE** (Saudi Riyals)

Describe the contract's scope of work:

This project required us to provide materials and manpower for the completion of a Local Area Network upgrade. Specific activities included installation of AT&T Premises Distribution System, structured building cable system, MDFs and terminal jacks throughout the Rolling Mills plant office building expansion. We were required to integrate existing and new voice / data lines throughout the office building. Additional activities included civil works; excavation, cable pulling, raceway installation and equipment closets. We also installed a new Fire Alarm network for the building, which was integrated into a remote supervisory communications system throughout the rolling mill plant environment.

Provide a brief description of any work that you subcontracted to others:

NONE

(K).

Client's Company Name: **Saudi PTT (MOPTT)**

Client's Company Address: **Dammam, Saudi Arabia**

Name of Client's Representative: **Mr. Ahmad Ghannas, Construction Manager**

Representative's Phone No.: **(03) 841-0048**

Contract No.: **attached** Contract Title: **"Ras Tanura Distribution System"**

Date Awarded: **Oct. '96** Scheduled Completion Date: **March '97** Date Completed: **March '97**

Estimated Completion Date: **March '97** Current % Complete: **100%**

Value of Contract: **1,700,000** (Saudi Riyals)

Value of Supplied Materials: **400,000** (Saudi Riyals)

Value of Subcontracts: **NONE** (Saudi Riyals)

Section 2.0 Project Control Department

Describe the contract's scope of work:

The project required us to install/construct fiber/copper cable network between exchanges. Sub activities included cable pulling and duct construction for MOPTT network in Ras Tanura.

Provide a brief description of any work that you subcontracted to others:

NONE

(L).

Client's Company Name: **Saudi PTT (MOPTT)**

Client's Company Address: **Dammam, Saudi Arabia**

Name of Client's Representative: **Mr. Ahmad Ghannas, Construction Manager**

Representative's Phone No.: **(03) 841-0048**

Contract No.: Contract Title: **"Qatif Distribution System"**

Date Awarded: **Oct. '96** Scheduled Completion Date: **March '97** Date Completed: **March '97**

Estimated Completion Date: **March '97** Current % Complete: **100%**

Value of Contract: **2,100,000** (Saudi Riyals)

Value of Supplied Materials: **250,000** (Saudi Riyals)

Value of Subcontracts: **NONE** (Saudi Riyals)

Describe the contract's scope of work:

The project required us to install/construct fiber/copper cable network between exchanges. Sub activities included cable pulling and duct construction for MOPTT network in Qatif exchange.

Provide a brief description of any work that you subcontracted to others:

NONE

(M).

Client's Company Name: **Saudi PTT (MOPTT)**

Client's Company Address: **Dammam, Saudi Arabia**

Name of Client's Representative: **Mr. Ahmad Ghannas, Construction Manager**

Representative's Phone No.: **(03) 841-0048**

Contract No.: Contract Title: **"La Silki Exchange"**

Date Awarded: **Oct. '96** Scheduled Completion Date: **March '97** Date Completed: **March '97**

Estimated Completion Date: **March '97** Current % Complete: **100%**

Value of Contract: **2,500,000** (Saudi Riyals) Value of Supplied Materials: **400,000** (Saudi Riyals) Value of Subcontracts: **NONE** (Saudi Riyals)

Describe the contract's scope of work:

The project required us to install/construct fiber/copper cable network between exchanges. Sub activities included cable pulling and duct construction for MOPTT network in La Silki exchange.

Provide a brief description of any work that you subcontracted to others:

NONE

(N).

Client's Company Name: **Saudi PTT (MOPTT)**

Client's Company Address: **Dammam, Saudi Arabia**

Name of Client's Representative: **Mr. Ahmad Ghannas, Construction Manager**

Representative's Phone No.: **(03) 841-0048**

Contract No.: Contract Title: **"Dhahran Distribution System"**

Date Awarded: **Oct. '96** Scheduled Completion Date: **March '97** Date Completed: **March '97**

Estimated Completion Date: **March '97** Current % Complete: **100%**

Value of Contract: **1,400,000** (Saudi Riyals)

Value of Supplied Materials: **250,000** (Saudi Riyals)

Value of Subcontracts: **NONE** (Saudi Riyals)

Describe the contract's scope of work:

The project required us to install/construct fiber/copper cable network between exchanges. Sub activities included cable pulling and duct construction for MOPTT network in Dhahran.

Provide a brief description of any work that you subcontracted to others:

NONE

(O).

Client's Company Name: **Saudi Aramco**

Client's Company Address: **Dammam, Saudi Arabia (R&D Building)**

Name of Client's Representative: **Mr. Zaki Al-Faraj, Project Manager**

Representative's Phone No.: **862-2002**

Contract No.: **45763/00** Contract Title: **"Construction of OSP Tel. Facilities at Abqaiq"**

Date Awarded: **June '96** Scheduled Completion Date: **Oct. '97** Date Completed: **March '97**

Estimated Completion Date: **March '97** Current % Complete: **100%**

Value of Contract: **820,000** (Saudi Riyals)

Value of Supplied Materials: **300,000** (Saudi Riyals)

Value of Subcontracts: **NONE** (Saudi Riyals)

Describe the contract's scope of work:

This project required us to procure and build an outside telephone plant system for Abqaiq. The scheduled completion date had been delayed by Saudi Aramco, due to terminations being required for newly constructed buildings. The buildings were not available. This in no way affected the performance of the work and was mutually acceptable. The sub-activities included construction of manholes and trenching within rock terrain.

Provide a brief description of any work that you subcontracted to others:

NONE

FIINANCE & ADMIINIISTRATIION DEPARTMENT

3.1 Finance & Administration Department Overview

Finance & Administration department is devoted to accomplishing the following primary business objectives:

- Promote the highest standards of ethical conduct.
- Exercise reasonable stewardship over the company's assets.
- Present fair and accurate financial statements that comply with applicable laws and regulations.

Every employee of the department is responsible for adhering to the policies and procedures developed by the management in pursuit of its business objectives. Every employee is required to conduct his job responsibilities with the highest degree of ethical conduct.

Internal control consists of the following:

Sound control environment, which sets the tone of the company and influences the control consciousness and behavior of employees. Sound control encompasses the following elements:

- Managers and employees who possess integrity, ethical values, and competence and reflect these values in their authority and operating style.
- Proper assignment of authority and responsibility.
- Proper organization of available resources.
- Proper training and development of employees.
- Proper attention and direction from senior management.

Sound risk assessment process characterized by:

An awareness and ability to deal with the risks and obstacles to successful achievement of business objectives.
Objectives established by management that integrate all organizational resources to operate in concert with each other.
Identification, analysis, and management of the risks and obstacles primary to successful achievement of the three main business objectives.

Sound operational control activities which consist of:

Establishment and execution of policies and procedures to help ensure that management directives are carried out and necessary actions are taken to address such relevant risks.

Sound information and communication systems which consist of:
Information systems that identify, capture, and produce information in a form and timeframe that enables people to carry out their responsibilities.
Information systems that deal with internally generated data as well as external activities, conditions, and events necessary for informed business decision-making and external reporting.
All employees understanding their own role in the internal control system and how their job activities relate to the work of others.
All employees have a means of communicating significant information upstream in the organization.
Effective communication with external parties and communication that follows laterally, horizontally, and vertically within the organization.

Department monitoring consists of:
Monitoring of the entire control system to assess the quality of its performance over time.
Ongoing system monitoring, which occurs in the normal course of operations and as part of regular management and supervisory activities and execution of job responsibilities.
Reporting internal deficiencies upstream, with the most serious matters reported directly to to management.

Finance & Administration Functions:

Treasury (Cash and Investment) Function

Maximizing the use of excess cash
Avoiding unanticipated cash shortfalls by maintaining adequate cash flows

Purchasing and Accounts Payable Function

Buying goods, materials and services at lowest prices
Receiving on-time deliveries
Receiving quality goods from vendors
Performing the purchasing function efficiently
Paying vendors in the optimum time frame
Performing the accounts payable function efficiently

Inventory Function

Optimizing inventory quantities
Maintaining accurate inventory records and safeguarding inventory
Managing the inventory function efficiently

Collections Function

Performing the collection function efficiently

Personnel Function

Maintaining a qualified/well-trained work force
Controlling compensation costs
Controlling benefit costs
Performing the personnel function efficiently

Capital Assets and Expenditures Function

Maintaining fixed assets in optimum working condition
Buying assets using sound business judgment

Debt and Equity Financing Function

Maintaining sufficient financing sources
Minimizing the cost of financing

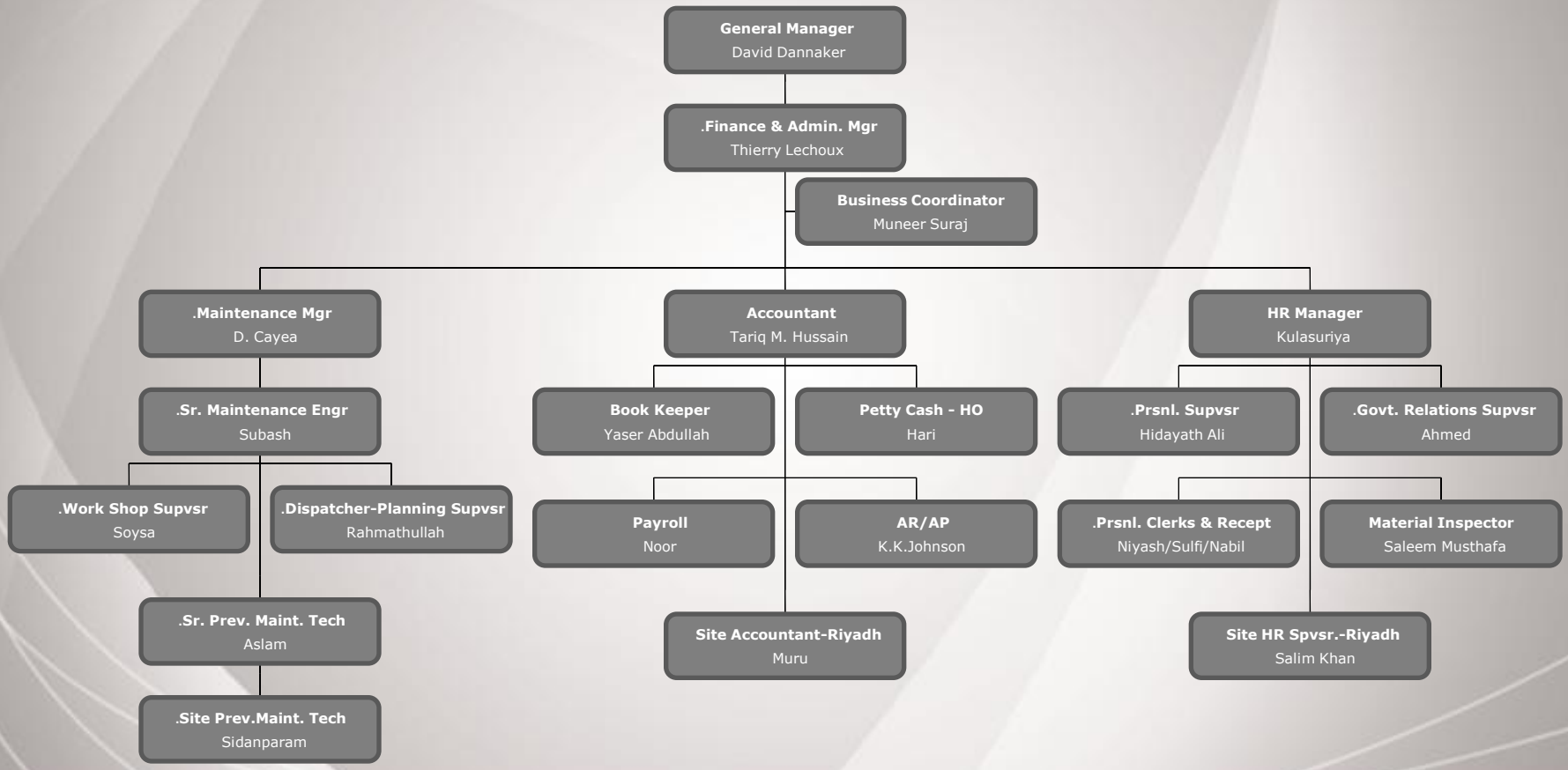
Systems and Technology Function

Keeping Systems and Technology (S & T) current and in good working condition
Minimizing S&T costs
Ensuring S&T meet company's needs
Maintaining adequate backup systems

Accounting Function

Maintaining accurate accounting records
Producing meaningful management reports
Producing timely reports
Performing the accounting function efficiently

3.2 Finance & Administration Organization Chart



3.3 Employee List (Managemen t Thru Sites)

HEAD OFFICE

Executive Management

General Manager

HSE Manager

Procurement Manager

Finance & Administartion Manager

Quality Assurance Manager

Equipment & Facility Maint. Manager

Engineering Manager

PROJECT STAFF

Quality Assurance & Quality Control
(Certified by Saudi Aramco)
QA/QC Manager
- QA/QC Engineer
  - QA/QC Inspectors
    - Mechanical
    - Civil
    - Electrical
    - Instrumentation
      - Vendor Inspector
      - Welding Inspector
      - Painting & Coating Inspector
      - Auditor (IRCA/ISO)
      - Internal Auditors (ISO)

Project Management
(Certified by Saudi Aramco)
Operations Manager
Project Managers
Site Managers
Commissioning Engineers
Cost & Scheduling Engineers
Mechanical Engineers
Civil Engineers
Electrical Engineers
Instrumentation Engineers
Calibration Engineers
Document Controllers

Communication Technicians

- Splicers (Fiber Optic/Copper)
- Testing & Commissioning
- Trouble Shooting & Continuity testing
- Data Network
- Installation & Maintainence

Craftsman

CIVIL
- Supervisors
- Foreman
- Draftsman (Auto CAD)
- Surveyors
- Carpenters
- Masons

MECHANICAL
- Supervisors
- Foreman
- Draftsman (Auto CAD)
- Pipe Fitters (RTR & Cement Lined)
- Fabricators
- Welders -Multi Discipline

ELECTRICAL
- Supervisors
- Foreman
- Electricians

INSTRUMENTATION
- Technicians
- Fitters

Calibration Technicians

OTHERS
- Plumbers
- Boiler Makers

Common Labor

3.4 Site Construction Personnel (Current vs. Forecasted)

A. Management & Professional Personnel

Skill Level "Engineers"	Currently In-Kingdom	Currently Assigned To Projects	Approved Visas	Projected Availability For Calendar Years 2001 & 2002
Civil Engineers	16	7	4	20
Electrical Engineers	18	11	6	24
Mechanical Engineers	21	15	5	27
Instrumentation Engineers	12	7	4	16
Process & Control Engineers	5	4	1	6
Process & Control Engineers	12	8	6	18
Fiber Optic Engineers	4	3	2	6
Design Engineers (all disciplines)	5	2	2	7
Draftsmen (all disciplines)	11	8	2	13
Sub Totals	104	65	32	136

B. Construction Personnel
*C=Craftsmen, *O=Operators, *L=Laborers, *F=Foremen

Skill Level "Craftsmen"	Currently In-Kingdom		Currently Assigned To Projects		Approved Visas		Projected Availability For Calendar Years 2001 & 2002	
	*C	*F	*F	*C	*F	*C	*F	*C
Masons	38	10	6	28	2	20	12	58
Carpenters	47	12	7	34	2	25	14	72
Electricians (LV)	35	8	5	26	3	12	11	47
Electricians (HV)	27	5	3	20	2	15	7	42
Surveyors	23	6	4	17	2	8	8	31
Millwrights	28	5	3	20	3	12	8	40
Welders	26	11	7	19	3	28	14	54
Pipe Fitters	37	9	5	27	4	20	13	57
Mechanical Techs.	25	7	4	18	2	14	9	38
Machinists	14	4	4	11	1	8	5	22

Skill Level "Craftsmen"	Currently In-Kingdom		Currently Assigned To Projects		Approved Visas		Projected Availability For Calendar Years 2001 & 2002	
Cable Splicers	6	29	4	21	3	18	9	47
Comms Technicians	5	23	3	17	1	11	6	34
Instr. & Control Tech	6	25	4	18	2	10	8	35
PreCommision' Tech	3	12	2	8	1	8	4	20
Steel Fixers	8	32	5	23	2	15	10	47
Painters	11	37	7	27	3	22	14	59
Sand Blasters	4	16	3	12	2	15	6	31
HVAC	6	25	4	18	2	8	8	33
Concrete Foremen	14	0	5	0	1	0	10	0
Plumbers	6	27	4	20	2	15	8	42
Riggers	2	6	1	4	2	4	4	10
Sub Totals	148	532	90	388	45	288	193	820

C. Site Construction Personnel

(i)-Heavy Operators & Labor

Skill Level "Heavy Equipment Operators"	Currently In-Kingdom		Currently Assigned To Projects		Approved Visas		Projected Availability For Calendar Years 2001 & 2002	
	*F	*O	*F	*O	*F	*O	*F	*O
Crane	4	9	2	9	2	2	6	14
Grader	3	14	2	10	1	2	4	16
Backhoe	4	11	2	8	1	2	5	13
Dozer	3	9	2	7	1	1	4	10
Truck	5	27	3	12	1	2	6	18
Sub Totals	19	70	11	46	6	9	25	79

(ii) General Labor Availability

Skill Level "Laborers"	Currently In-Kingdom		Currently Assigned To Projects		Approved Visas		Projected Availability For Calendar Years 2001 & 2002	
	*F	*L	*F	*L	*F	*L	*F	*L
Laborers	81	570	49	416	28	80	109	650

(iii) Total Available Manpower (Current & Forecasted)

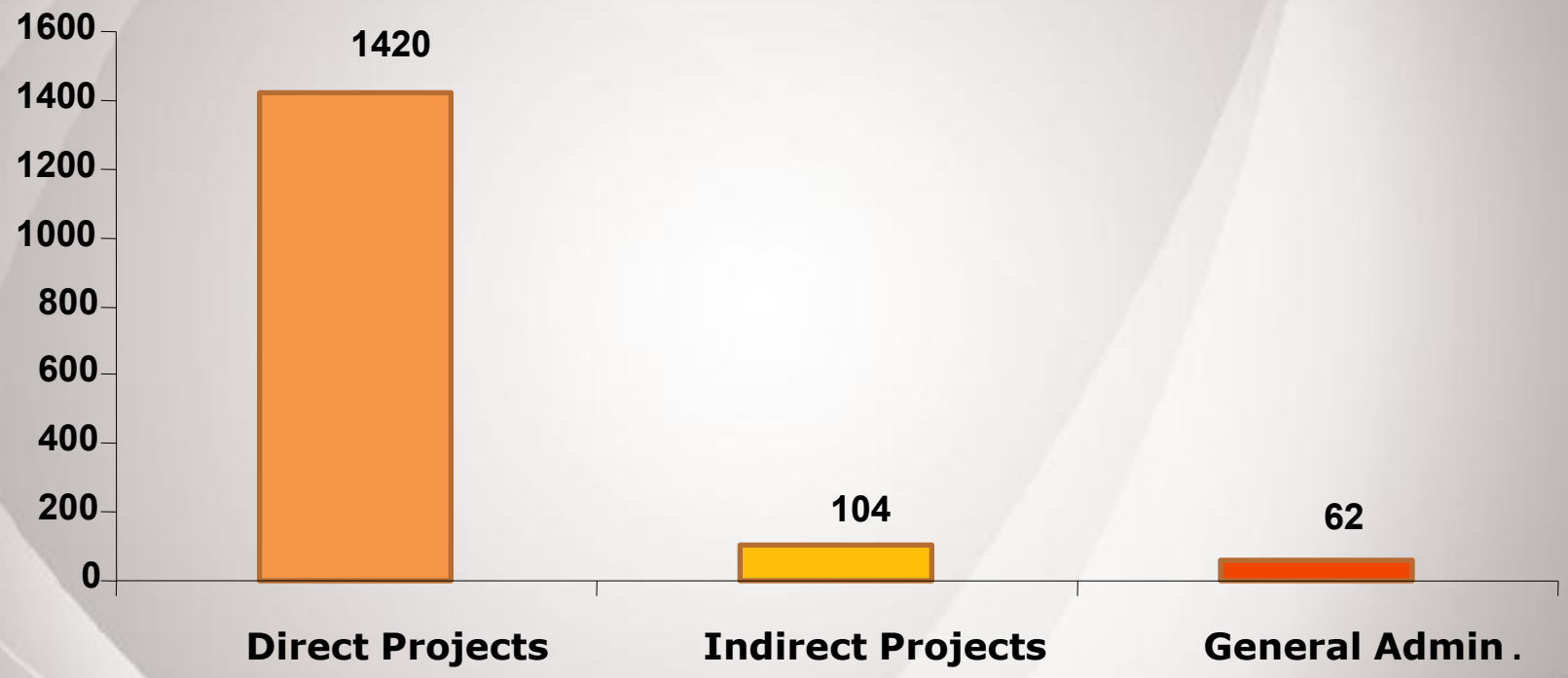
Skill Level "All Levels"	Currently In-Kingdom	Currently Assigned To Projects	Approved Visas	Projected Availability For Calendar Years 2001 & 2002
Total Manpower	**1524**	**1065**	**488**	**2012**

We have the ability to recruit highly competent personnel within a short amount of time, due to our extensive recruitment affiliations and resources. Our ability to recruit professional personnel is summarized in Section 3.0, Sub-section 3.6. ***

3.5 Personnel Distribution Charts

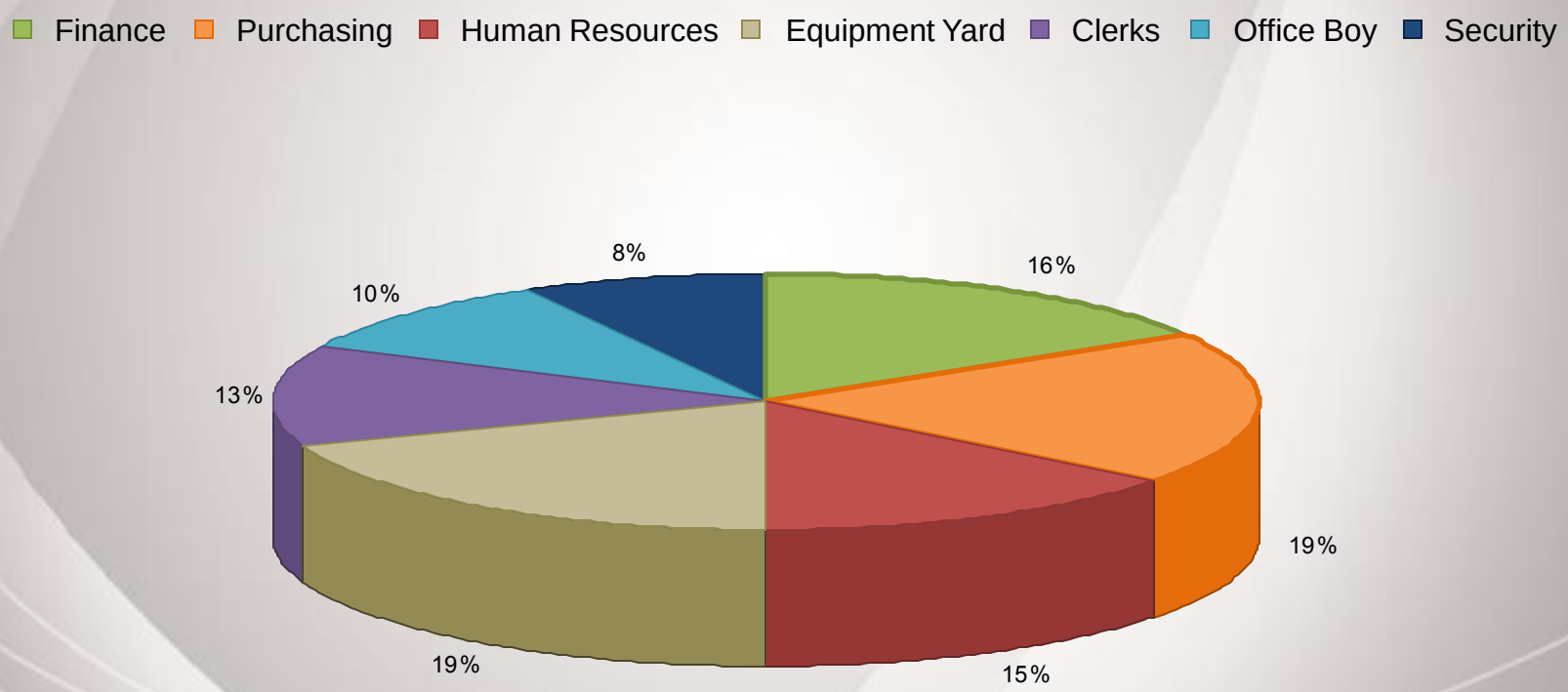
1. Summary
2. General Admin & O/Heads
3. Direct
4. Indirect

Summary

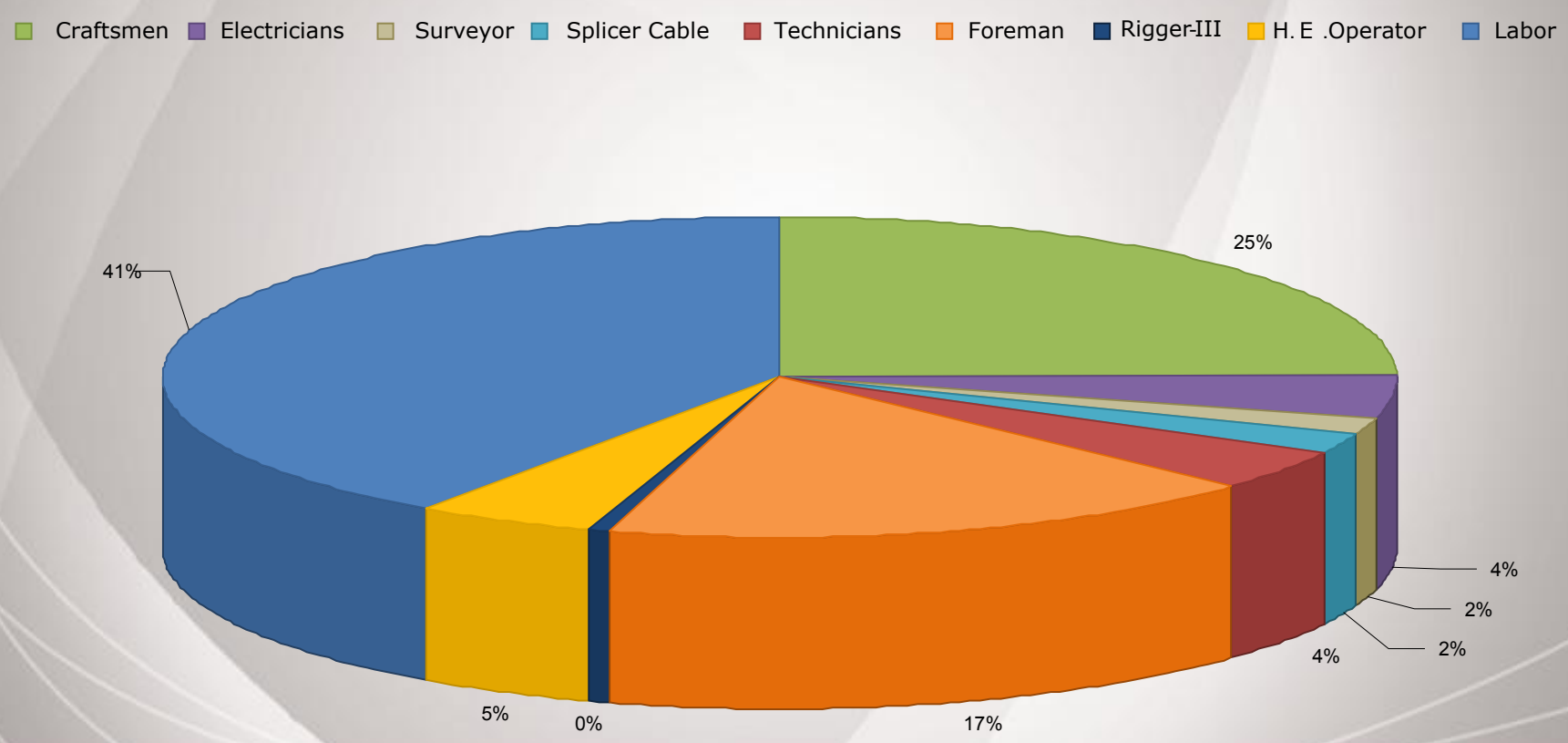

1600
1400
1200
1000
800
600
400
200
0
1420
104
62
Direct Projects
Indirect Projects
General Admin.

General Admin

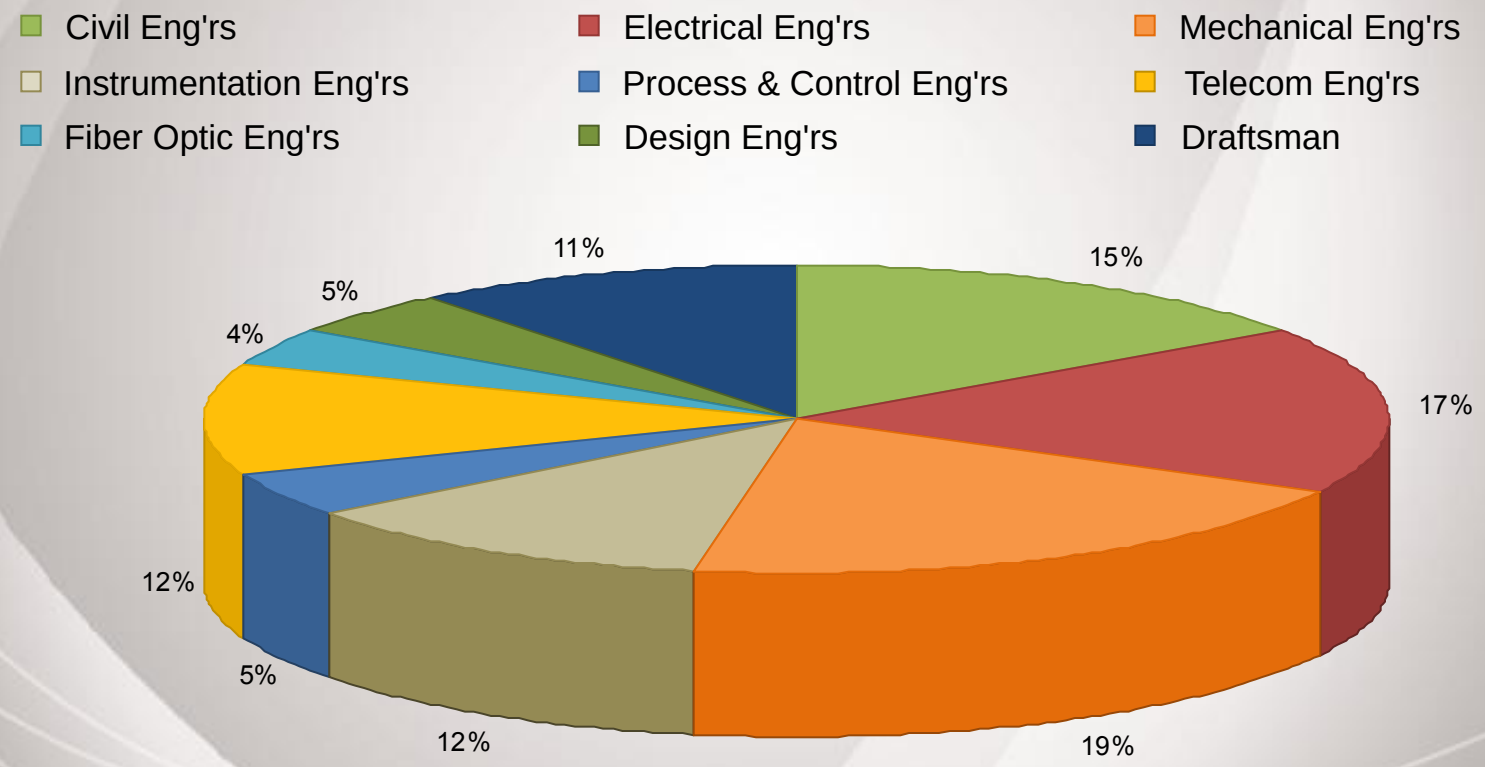
.



Direct Projects



Indirect Projects



3.6 Summary of Recruitment Capabilities & Affiliations

The Human Resources & Personnel Division both believe the most important assets in any company are it's people; highly competent and professional individuals who believe in the objectives of their company. In return for our understanding of the importance of people in the equation of success, the company experiences a very low employee turn over rate. The average employment within Management extends beyond seven (7) years.

"Our strength is our people"

The combination of written and oral tests developed in-house, a three tier interview process and our pre-screened agencies with experience handling professional recruitment services, has enabled us to maintain our low employee turn over. AHC provides skilled , loyal employees in all facets of our organization.

Al-Hammam Company has developed and maintained long term relations with it's recruitment representatives throughout the world. We have the capability to hire personnel from the below listed countries, as well as from the GCC, Malaysia, South Africa, Australia, Denmark, France, Syria, Jordan, Lebanon and Egypt.

COUNTRY	AGENCY INFORMATION	PAST EXPERIENCE
United States	Fischer Report – Manlink P.O. Box 9348 Newport Beach, California (714) 759-3374 tel. George Fischer	Management Recruitment Services- Fischer has provided assistance in recruiting more than 23 direct hires for various engineering and management positions for our industrial construction projects for the past seven years.
United States	Mega Search, Inc. Suite 330 15425 North Freeway Houston, Texas 77090-6017 (713) 872-7800 tel. Kevin D. Page	Management Recruitment Services- Mega Search has assisted in direct hire of more than 15 specialized engineers in the communications industry as well as heavy construction requirements for the past seven years.
United States	W. Robert Michaels & Co. (WRM) Galleria Financial Center 5065 Westheimer Suite 830 Houston, Texas 77056 (713) 965-9175 tel. William D. Davidson	WRM maintains an up to date computer database spanning the United States for the recruitment of management and site personnel for heavy industrial construction projects. They have provided us recruitment services for more than three years.

COUNTRY	AGENCY INFORMATION	PAST EXPERIENCE
South America	CAD Services Ltda, Calle 79 # 16 A-09. Oficina:505,Edificio Porthos. Bogota, Distrito Capital-Colombia. (0*9) 628-8238 Tel.	CAD Services Ltd maintains an up to date computer data base for supplying management & technical personnel for oil, Gas & Petroleum Projects in the middle east
South America	Employs S.A.DE Services Empresarios,, Casa Matriz: Lavalle 1570 (1048)-Cap.Federal 4373-5100 Tel.	This is a temporary personnel company which deals in business with work force of 2000 people, who render their services in various fields having consultant 'Want S.A'.
Philippines	EDI Staffbuilders International, Inc 115544, KSA Mezzanine Flr.,Centrum Bldg. 104Peres Legaspi Village , (632) 8151424 tel. Jerry T. Rojas	EDI maintains offices throughout the Kingdom as well as in the Philippines. They provide three month satisfaction guarantees and have provided professional construction personnel for the past three years. This is also one of the agencies that Saudi Aramco utilizes on a regular basis. Additional experience includes ACEC Engineering, Stone & Webster, Bechtel and Fluor. They have assisted in the recruitment of more than 600 personnel.

COUNTRY	AGENCY INFORMATION	PAST EXPERIENCE
Philippines	Anchor Marine Services, Inc Ground Floor, Ramagi Bldg. 1081 Pedro Gil St., Paco Metro Manila, Philippines 522-00-30 tel. Oscar T. Garcia	Anchor Marine provides recruitment for site crews for heavy construction requirements. We have utilized their services for more than 250 personnel over the past three years.
India	Continental Contractors P.O. Box 60055 Dubai, UAE 288-118 tel. Satish Wali	Continental Contractors has provided us recruitment services for more than 150 personnel throughout India for more than three years. They also provide a three months performance guarantee for all new employees.

COUNTRY	AGENCY INFORMATION	PAST EXPERIENCE
India	Multilink Union House, Mogul Lane Mahim, Mumbai 400016 431-0243 tel. Albert Joseph	Multilink is an extremely professional company with offices in Bombay, New Deli, Mumbai, Madras, Kerala, Goa, as well as in Columbo, Dhaka and Kathmandu. They have offices in-kingdom, as well as in Bahrain. They have assisted in the recruitment of more than 800 personnel.
India	Falcon Services 10-Valmiki, Next to Bombay College of Pharmacy, CST Road, Kalina, Santacruz(E), Mubai. 226117720 Tel. M.G.Nathan	Supplying the excellent staff from India to all Gulf countries. They have vast experience by supplying the professionals for the Petro, Gas & Oil Plants. Our relationship with them is very successful.
Bangladesh	Wafa Limited 120/B Motijheel Com Area Dhaka 1000 833-3451 tel. Shaikh Islam	Wafa maintains offices in-Kingdom and has provided us professional recruitment services for the past year.

COUNTRY	AGENCY INFORMATION	PAST EXPERIENCE
Bangladesh	BOESL (Bangladesh Overseas Employment Services Ltd.) No. 18, Road 10 Gulshan 1 Dhaka 886-006 tel. M.A. Salim	BOESL is a Government Organization which has provided us with excellent staff from Bangladesh. They are government backed and supported, which makes the candidate's processing much easier and faster.
Sri Lanka	ACURA Foreign Employment Services 53, Orabi Pasha Mawatha, Maradana First Division, Colombo 10, Sri Lanka	ACURA is managed by the President of the Sri Lanka Recruitment Association. The agency is highly professional and has assisted us in the recruitment of more than 800 personnel.

3.7 Finance & Admin. Policies

Note: Finance and Admin. Policies will be available on request.

EQUIIPMENT & FACIILIITIIES DEPARTMENT

We maintain a complete equipment maintenance and heavy overhaul facility in Ras Tanura. The facility consists of more than 20,000 Square Meters of land with twelve maintenance bays, two 10 Ton overhead mobile cranes, fabrication yard, paint shop, equipment installation facility (dust free), offices and a transportation storage facility. These same facilities can be mobilized on a project basis in any part of Saudi Arabia.

DESCRIPTION	CAPACITY	MANUFACTURER	AGE-YRS	QTY.
Oxy-Acetylene Cutting Outfit	. . . . .	Victor	2.5	54
Asphalt Pavers	AP 800 B	CAT	2	2
Paving Breaker	BR-20	OMC	3	16
Pneumatic Hammer (Sheet Pile)	25 Ton	Parker Set	2	3
Concrete Finisher	C-450	CAT	2	6
Concrete Mixer	3-10 cu. ft.	Westco	2	3
Sandblasting Machine	CLEMCO KING	CLEMCO	3	10
Airless Spray Painting Equip.	45:1 Ratio	Graco	**AGE-YRS**	**QTY.**

DESCRIPTION	CAPACITY	MANUFACTURER	AGE-YRS	QTY.
Airless Spray Painting Equip.	45:1 Ratio	Graco	2	21
Test Pump	up to 1000 psi	BAKER	3	3
Test Pump	1001-5001 psi	BAKER	3	1
Welding Machine	400 AMPS		1	42
Welding Machine	300 AMPS		1	18
Pipe Bending Machine	1/2" - 4"	Alimak	3	12
Sheet Rolling Machine	6 feet	. . . . .	3	8
Spot Welding Machine	Double	Lincoln	3	8
Pneumatic Grinder	7 inches	Chicago	1	15
Conduit Cutter/ Threader	1/2" - 6"	Alimak	2	7

DESCRIPTION	CAPACITY	MANUFACTURER	AGE-YRS	QTY.
Vibrator Roller	10 Ton	Dynapac	3	5
Water Chiller	6000 liters	Camor	2	4
Dewatering Pump	6 inches	Geho-Flyght	2	10
Jetting Pump	3 inches	Geho	1.5	12
Baby Dumper	1 to 2 tons	Daihatsu	1	8
Generator	395-440 kw	Komatsu	2	4
Generator	330-370 kw	Dinamac	2	3
Generator	225-285	CAT	2	6
Generator	175-210	Komatsu	3	6
Generator	25-100 kW	Dinamac	3	5
	7 kva,6-10kw	Assembled	1	12
Hi-pot Test Equipment	15 kV	. . . . .	2	6

DESCRIPTION	CAPACITY	MANUFACTURER	AGE-YRS	QTY.
Megger Tester	up to 1 kV	. . . . .	2	5
Well Point System	150 points	Geho	2.5	4
Concrete & Asphalt Cutter	9" deep	Target	1	6
Hole Digger	8" to 48"	Texoma - 600	3	1
Hole Digger	8" to 96"	Texoma - 700	3	1
Drilling M/C (Pedestal)	1.5"	Febco	2	1
Drilling M/C (Table)	1"	Target	2	1
Pipe Beveling & Cutting Mach.	6" - 20"	Target	3	12
Pipe Beveling & Cutting Machine	22" - 30"	Target	3	10
Pick-up Truck	1 Ton	GMC	1	16
Pick-up Truck	3/4 Ton	Toyota	1	22

DESCRIPTION	CAPACITY	MANUFACTURER	AGE-YRS	QTY.
Pick-up Truck	1/2 Ton	Datsun/Toyota	2 1/2	18
Cargo Truck	1 Ton	Daihatsu	2	6
Cargo Truck	2 - 8 Ton	GMC	1 1/2	8
Cargo Truck	10 Ton	Mercedes	1	4
Water Tanker	6000 liters	Mercedes	2	1
Water Truck	12,000 liters	Mercedes	2	6
Water Truck	18,000 liters	Mercedes	2	1
Passenger Bus	40 seater	GMC/TATA	2 to 6	15
Crew Cab Pick-up	4x4x3/4 Ton	Toyota	1.5	9
Flatbed Trailer / Tractor	30 Ton	Mercedes	2	9
Air Compressor	750 cfm	/Sullair	1 to 3	7

DESCRIPTION	CAPACITY	MANUFACTURER	AGE-YRS	QTY.
Air Compressor	750 cfm	/Sullair	2 to 3	6
Air Compressor	445 cfm	Sullair	2 to 4	5
Air Compressor	350 cfm	Atlas Copco	1 to 3	6
Air Compressor	265-335 cfm	Sullair	2.5	8
Air Compressor	172 cfm	Atlas/Copco	2	4
Forklift	5 Ton	International	2	5
Forklift	7.5 Ton	Clark	4	1
Forklift	12 Ton	Clark	2 to 3	6

4.1 Company Equipment List (Continued…)

DESCRIPTION	CAPACITY	MANUFACTURER	AGE-YRS	QTY.
Crane	10 Ton	Hyster	3	2
Rock Digger	8" - 48"	Weston 1000	1.5	1
Pole Cat	8" - 24"	International	2	2
PENGO Puller	20 Ton	PENGO	2	1
Tensioner on Trailer	single	PENGO	2	1
Tensioner PENGO	two-bundle	PENGO	.5	1
Super Sucker Vacuum (Tankers)	8-12000 GAL	LOCAL	1	4
Low boy	60 to 80 Ton	LOCAL	2 to 4	6
Overhead Line Puller	3 drum puller	Moyar	1.5	1
Underground Cable Puller	5 Ton	. . . . .	1	3

DESCRIPTION	CAPACITY	MANUFACTURER	AGE-YRS	QTY.
Travellers	6",12",18",22" & 24"	Sherman-Raleigh	1	250
Underground Roller	8"	. . . . .	1	120
Ditchwitch Trencher	R-40	Ditchwitch	1	2
Reach-all Bucket Truck	75 ft.	GMC	1.5	3
Pneumatic Tire Rollers	72" Span	Dynaspat	1.5	1
Post Type Scaffolding	sets	Patent	2.5	15200
Hanging Scaffolding	sets, air winch	Patent	2.5	38
Scaffolding Planks	1" x 10' long	Patent		25500
Sand Dryers	1 cu. m.	. . . . .		10
Screening (Grit)	. . . . .	. . . . .		12

DESCRIPTION	CAPACITY	MANUFACTURER	AGE-YRS	QTY.
Industrial Vacuum Cleaners	Heavy Duty	Sanyo	.5	12
Floor Plasterer	Heavy Duty	Sanyo	.5	10
Carpet Shampooer	Heavy Duty	Sanyo	1	6
Garbage Disposer	Lugger-Bucket	Mercedes	2	2

The following chart describes our utilization of computers;

4.2 Computer Resources

We have the proven capability to tailor our computer systems and usage to our clients operations. An easy example of our in-house abilities is the Saudi Aramco Vehicle and Personnel Restricted Access Identification forms. We have developed a Personnel database and a form generator, which will allow the user to print single or batches of completed I.D. Request / Vehicle Access forms ready for processing. The system we utilize is called "iBiS" (Integrated Business Information Systems) and it was developed over three years ago. We have since built on the original system to integrate all departments.

No.	Discipline Description	Computer & Software Tools
01.	Project Management Systems, including Cost & Scheduling	-Primavera for Windows -M.S. Project Version 4.0 -Risk for MS Project -Timberline & Excel
02.	CADD Systems	-Intergraph Microstation Ver. 5.0
03.	Project Quality	-MS WORD -SAEP (Aramco Engineering)On Disk

04.	Material Procurement	-iBiS Material Tracker Module -PROFLOW Ver. 2.0
05.	Design, Construction and Testing	-Caesar II, STAAD III, ETAP, HYSIM
06.	Administration & Finance	-Smart File -Saudi Aramco Access Requests -JD Edwards – Financials-HR-Purchasing -Open Text Document & Collaborative Management

4.3 Office & Laydown Facilities

Below is the list of office and laydown facilities for AHC Personnel.

No.	Facility Description	Size & Equipment Description
01.	Design Facility (Ras Tanura)	IBM Compatible workstations Pentium 4 , 90 GB storage, 256 MB memory, 17" & 21" SVGA Monitors, Complete multimedia and 3 D imaging software, Flat bed scanners, color printers and plotters.
02.	CADD Facility (Ras Tanura)	IBM Compatible workstations Pentium 4 , 90 GB storage, 256 MB memory, 17" & 21" SVGA Monitors, Complete multimedia and 3 D imaging software, Flat bed scanners, color printers and plotters
03.	Staging Facility (Ras Tanura, , Rabigh & Jizan)	22,000 Sq. Mt. Warehouse; Contained; Air-conditioned with Dust Free Equipment Installation Area.
04.	Material Storage (Ras Tanura, , & Rabbigh)	45,000 Sq. Mt. Contained Warehouse with Parts Racks, Bin Cards, 24 Hour Security

05.	Logistics Support	Camps (750 Person Capacity); Medical Facilities; Low Boy Tractor Trailers (+40 Tons); Lap Top Computers; GSM Communications (26 units issued to Kick-Off Team) and (6) GPS Units.
06.	Office Availability	
a.	Ras Tanura I (Rahima)	Owned - Headquarters; 50 person capacity, drafting, design and project management resources; details attached.
b.	Ras Tanura II (Rahima)	Owned - Subsidiary Head Office; 35 person capacity, drafting, design and project management resources.
c.	(Project Office)	Owned - Project Office; 38 person capacity, drafting, design and project management; fabrication facility, housing (350 men); details attached.

4.3 Office & Laydown Facilities (Continued…)

d.	Rabbigh (Project Office)	Owned - Project Office; 42 person capacity, drafting, design and project management, housing (250 person capacity); details attached.
e.	**Dammam( )**	Owned – 54 offices; +200 person capacity, available for expansion if required (currently empty).
f.	Jizan (Project Office)	Owned – 12 offices, 36 person capacity, available for expansion if necessary
g.	Jubail (Project Office)	Owned – 18 offices, 54 person capacity, available for expansion

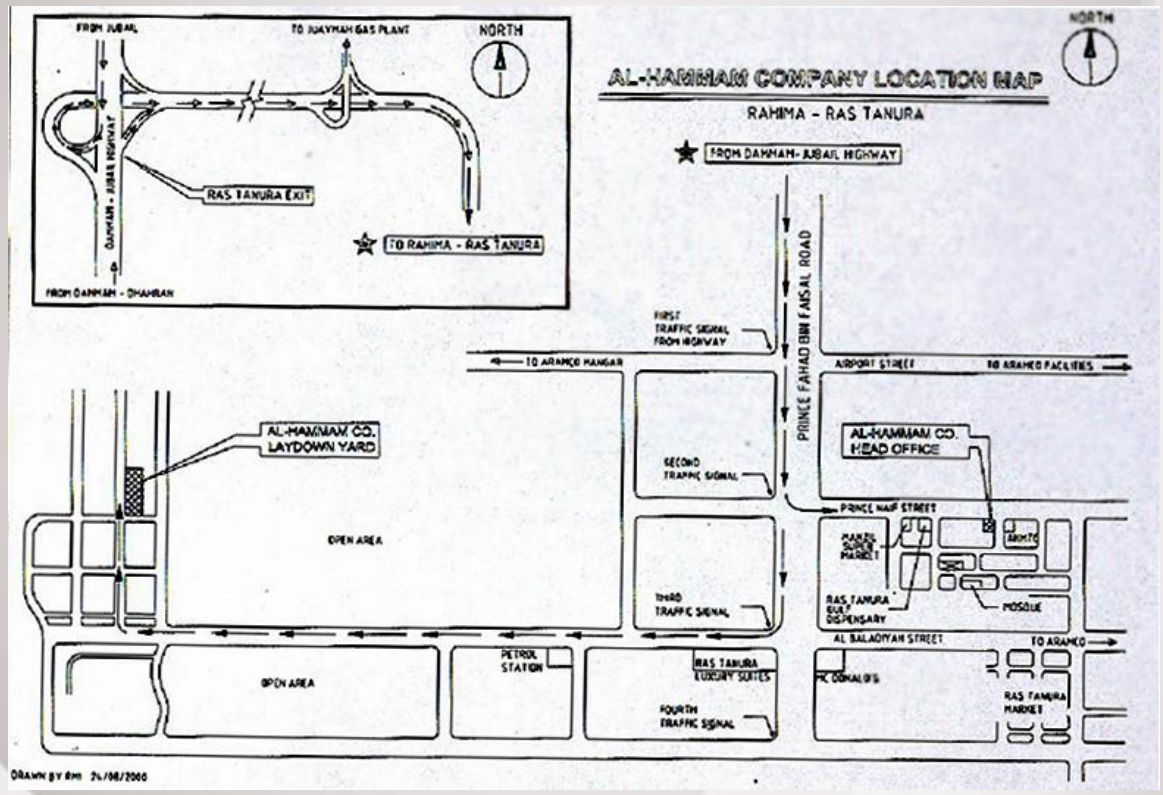
4.4 Accommodations (Kingdom-wide)

We provide all of our employees with safe and clean living environments. We utilize a combination of portable cabins and building/camp rentals depending on the location of the project. We utilize either Saudi Catering Company or Tamimi Catering Company. All facilities meet the requirements established by Saudi Aramco.

In addition to living requirements, we also provide recreation facilities, regular transportation to nearby shopping areas and an on site commissary for all employees.

Type	Rental / Own	Location	Capacity
Brick Camp	Own	Ras Tanura	650
Concrete Camp	Own	Ras Tanura	360
Camp	Own	Jubail	260
Villas	Rental	Al Hasa	136
Porta Cabins	Own	Hawiyah	120
Porta Cabins	Own	Uthmaniyah	140
Porta Cabins	Own	Qurrayah	120
Porta Cabins	Own		300
Porta Cabins	Own	Manifa	50
Villa	Rental	Dammam	180
Porta Cabins	Own	Rabbigh	150
Apartment Building	Lease	Jeddah	140
Porta Cabins	Own	Najran	160

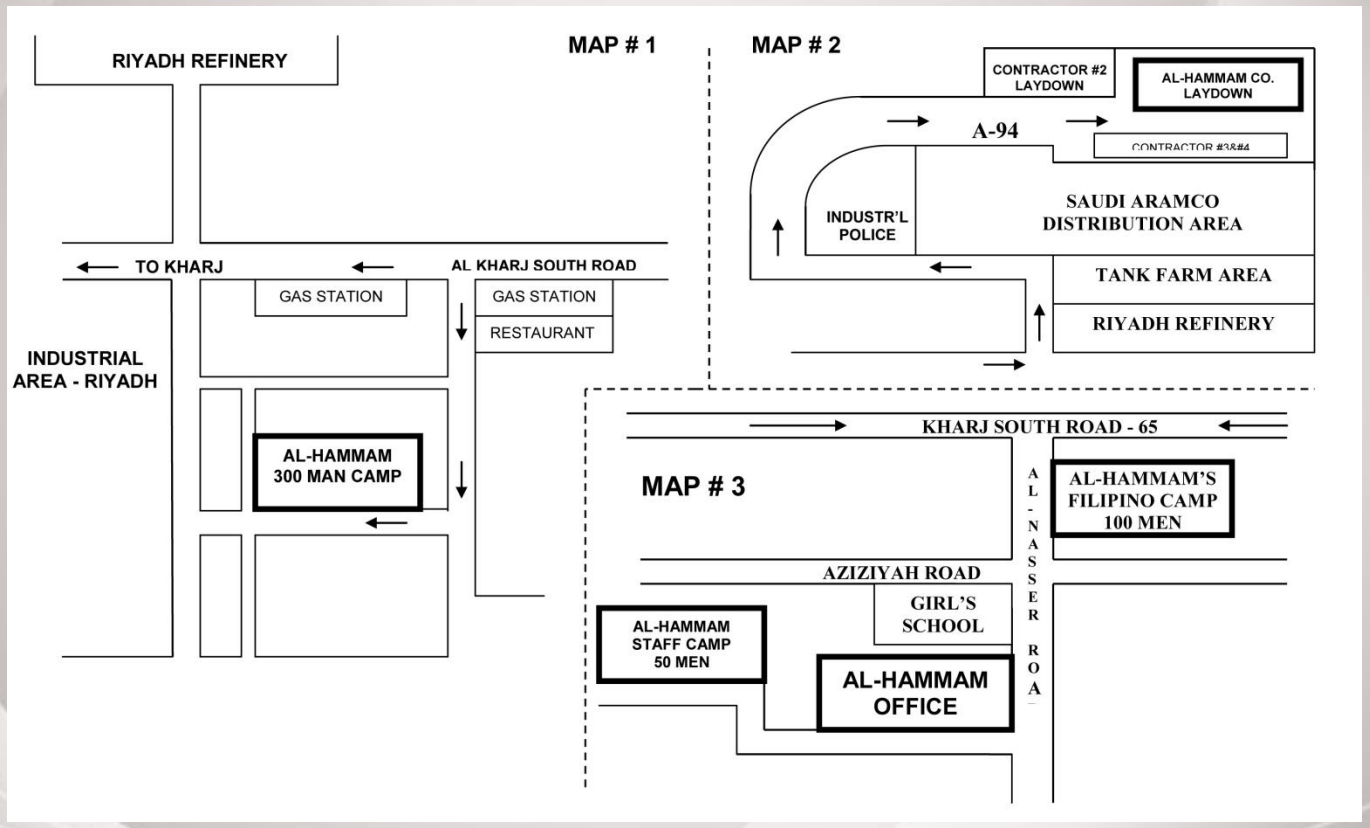
4.5 Location Maps (Offices & Camps)



4.5 Location Maps (Offices & Camps)

AL-HAMMAM COMPANY: RIYADH FACILITIES MAP (OFFICE / COMPOUNDS & LAYDOWN AREA)

RIYADH OFFICE TEL. NO.: (01) 495-7485 / RIYADH AREA MANAGER MOBILE TEL. NO.: (05) 580-2574 (Available 24 Hours Per Day)



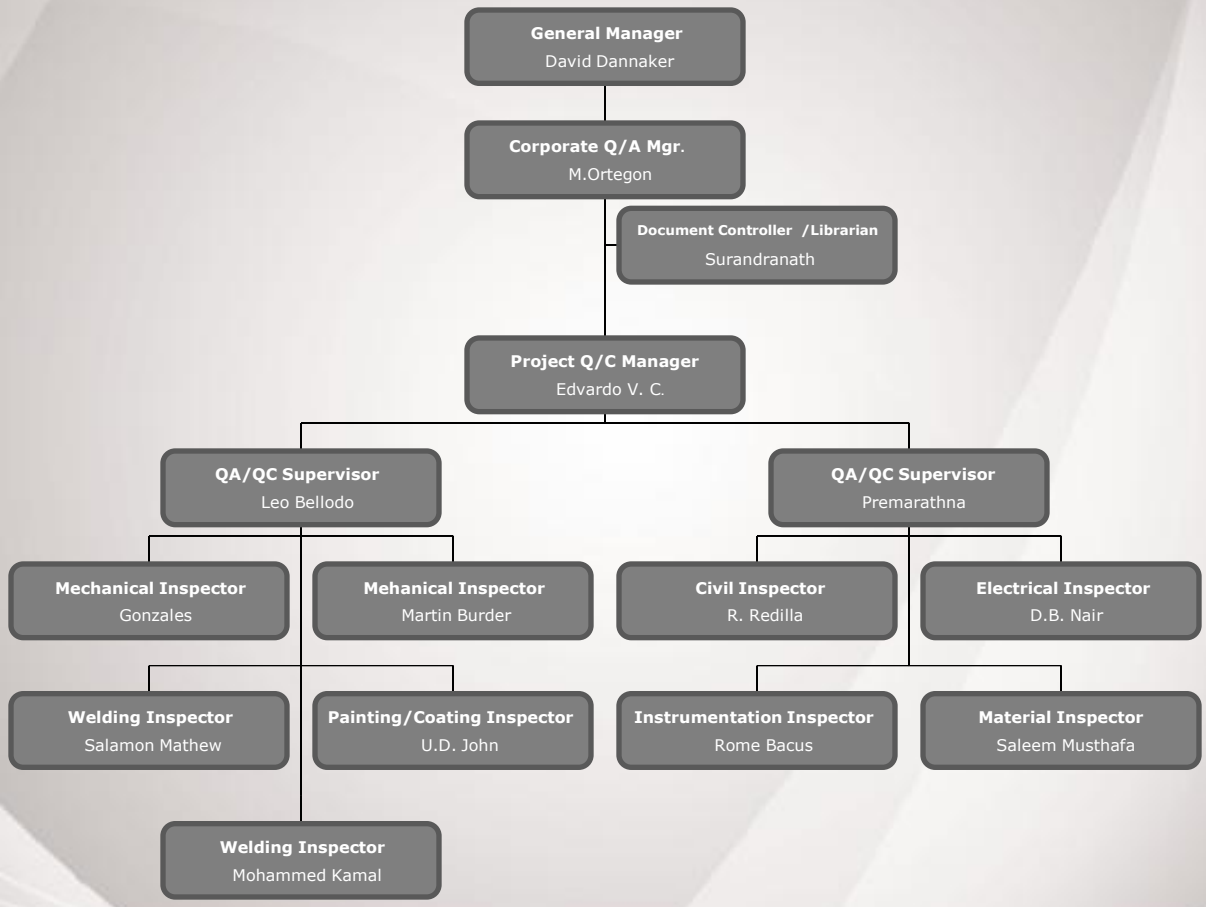
QUALIITY ASSURANCE
&
QUALIITY CONTROL

5.1 QA/QC Department Overview

We understand that provision of quality services requires the active participation of the company owners. It is their vision that guides our organization in it's overall quality mission statement. The company's management team implements the company's quality objectives throughout all operations. In order to ensure quality, we utilize developed proven procedures to ensure consistent and standardized operations throughout the organization.

Our quality department is divided into Quality Assurance and Quality Control with the overall functional responsibility assigned to the Quality Assurance Manager. He has the capability to communicate directly to the Board of Directors, if deemed necessary. The Quality Assurance Manager maintains an organization which includes Quality Assurance Auditors and Quality Control Engineers who are assigned to assuring operational consistency, as well as on-site workmanship.

5.2 QA/QC Organization Chart



5.3 QA/QC Manual

Note: QA/QC Manual will be available on request

HEALTH,, SAFETY & ENVIIRONMENT

6.1 Safety & Loss Prevention Department Overview

We have always placed major emphasis on safe operations and continue to make the best investments towards the prevention of accidents. Our philosophy centers on planning ahead and our central philosophy of "learn from other's mistakes…". We hold each manager accountable for his line of operation and from the many mistakes a person could make, we consider the most serious offense to be failing to keep his subordinates informed and well educated on the aspects of safe operations. We hold a firm commitment to preventing loss, damage or death on and off the work site.

Simple procedures we implement ensure that our commitment to safety and loss prevention is met on a daily basis. Some of the methods we utilize are as follows:

1.New Employee Orientation Program

The orientation is presented by our Safety & Loss Prevention Manager, the Personnel Supervisor and one of our Sr. Project Engineers. Each employee upon arrival is given an "Employee Operation Manual", which details potential hazards on the job as well as off the job. Topics are discussed in an open forum whereby new employees are encouraged to participate by asking questions or by making suggestions. Topics discussed include Safety & Loss Prevention, Laws and Regulations of the Host Nation, Mentor Program Overview, Employee Incentive Program, Administrative policies such as Over-time, Mail, Housing/Recreation and Mess Facilities.

2.Mentor Program

We implement a Mentor Program, whereby each new employee is assigned to an employee who has served with the company for more than two years. The mentor is offered an incentive and assigned the responsibility of ensuring that the new employee is properly trained on safe practices on the job and general orientation on a daily basis for a probationary period of three months. This program also creates a team spirit and encourages leadership initiative for existing employee.

3.**Safety & Loss Award Program**

The Safety & Loss Award Program is a safety incentive program. The Safety Award is given to all employees who have not had any safety infractions within a three month period. The award is a combination of an Award Certificate and a fixed lump sum cash reward.

4. Construction Safety Manual (for each job description)

The Al-Hammam Construction Safety Manual has been approved by all of our main clients including Saudi Aramco, SCECO and SABIC. The manual is issued to all foreman and above.

5. Hazardous Look Ahead

This is a bimonthly report that is completed prior to the commencement of the workweek. The Safety Engineer, in coordination with the Sr. Project Engineer are responsible for ensuring that this form is duly completed and distributed in a timely manner. The Hazardous Look Ahead identifies any and all potential hazards within two weeks.

6. Daily Tool Box Meetings

This is a meeting which takes place on a daily basis, prior to the start of the operation day or just before executing hazardous work activities. The meeting is conducted by all foreman and addresses any and all potential hazards which may be incurred during the day.

7. Safety Statistics & Infractions-

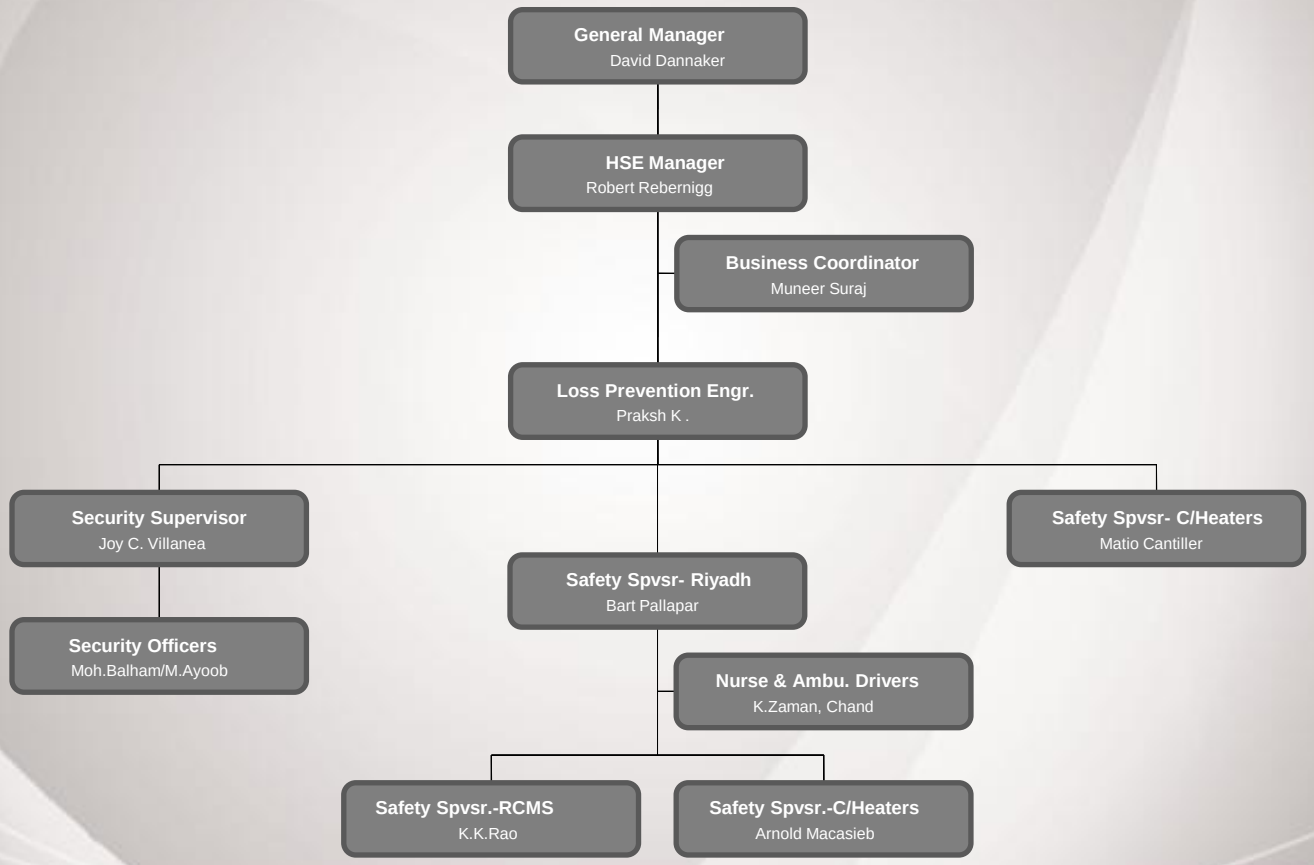
We post safety statistics for each project on dining facility notice board. In addition to this, we also post names of personnel who have violated any safety procedure on or off the job. This provides additional incentive to employees to always be alert and aware in order not to make a mistake and thereby have their name posted for all to see. At the end of the project, a running summary of safety infractions throughout the year is compiled and posted for all to see in the main camp accommodations.

8. Flexibility-

We maintain a flexible Safety & Loss Program, in order to incorporate our client's suggestions and internal procedures. We believe our latest Construction Manual includes all of the detailed elements required for any major undertaking.

We have been awarded 3 million Safe Man-hour Awards from Saudi Aramco for the Ras Tanura Refinery Upgrade, Riyadh Refinery and Rabigh Refinery Shutdowns. We have also been awarded safety awards from various SABIC companies.

6.2 Health, Safety & Environment Organization Chart



6.3 Health, Safety & Environment Manual

Note: HSE Manual will be available on request

6.4 Safety Awards

"ATTACHED"

Awards & Certifications

ارامكو السعودية
Saudi Aramco

مسابقة السلامة للمقاولين

Contractor Safety Competition

Third Place

Presented to: Al-Hammam Company

For Complying with Contractor Safety

Requirements During the Execution of

Title: Bulk Plant Modernization Projects CENTRAL REGION

BI No.: 3758 Contract No.: 44353/00

From: January 2001 To: June 2001

Vice President, Project Management

المركز الثالث

مقدمة إلى شركة آل همّام

للالتزام بمتطلبات السلامة

الخاصة بالمقاولين أثناء تنفيذ المشاريع

أسم المشروع: مشاريع تحديث محطات توزيع المنتجات البترولية في المنطقة المركزية

رقم بند الميزانية: ٣٧٥٨ رقم المقاولة: ٤٤٣٥٣/٠٠

من: يناير ٢٠٠١ إلى: يونيو ٢٠٠١

نائب الرئيس لإدارة المشاريع

Awards & Certifications

SAUDI ARABIAN OIL COMPANY

RAS TANURA REFINERY UPGRADE PROGRAM

EXCELLENCE IN LOSS PREVENTION

to

AL-HAMMAM COMPANY (Contract 37932/00)

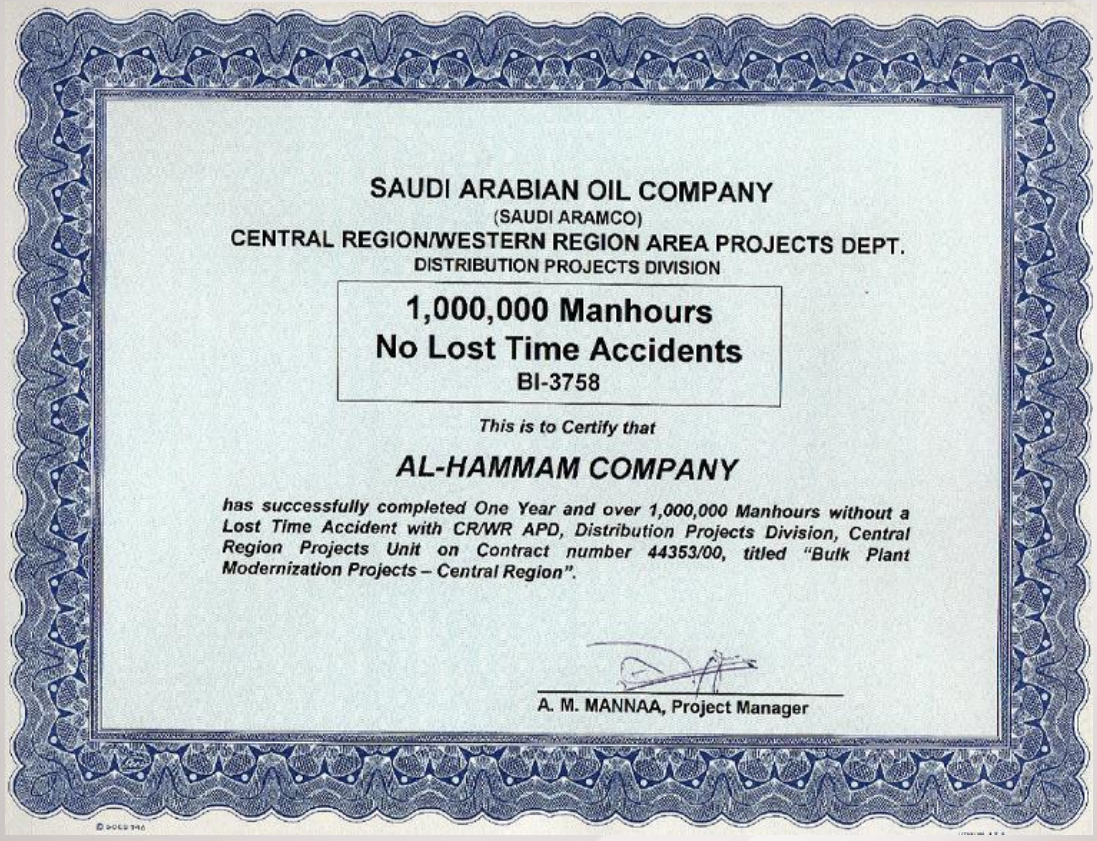
for recognition in earning an excellent rating
During the Project Loss Prevention Inspection for the month of

December 1994

PROJECT MANAGER
SAUDI ARAMCO

CHAIRMAN PROGRAM LOSS
PREVENTION STEERING COMMITTEE

Awards & Certifications



SAUDI ARABIAN OIL COMPANY
(SAUDI ARAMCO)
CENTRAL REGION/WESTERN REGION AREA PROJECTS DEPT.
DISTRIBUTION PROJECTS DIVISION

1,000,000 Manhours
No Lost Time Accidents
BI-3758

This is to Certify that

AL-HAMMAM COMPANY

has successfully completed One Year and over 1,000,000 Manhours without a Lost Time Accident with CR/WR APD, Distribution Projects Division, Central Region Projects Unit on Contract number 44353/00, titled "Bulk Plant Modernization Projects – Central Region".

A. M. MANNAA, Project Manager

Awards & Certifications

Saudi Arabian Oil Company (Saudi Aramco)
Central/Western Region PD&C Department
Central Region Projects Division

Certificate of Achievement

This Certificate is awarded to

Al-Hammam Company

in recognition of achieving

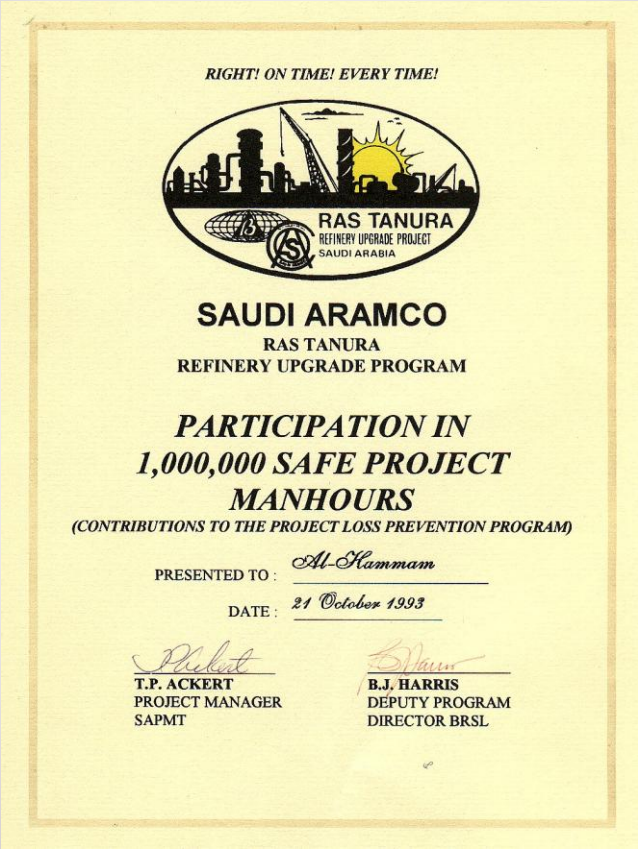
1,000,000 MANHOURS WITHOUT A LOST-TIME ACCIDENT

on Work Unit Rate Contract # 44033/00 from January 20, 1997 to August 31, 1998

E. P. URBANSKI, *Project Manager*
Central Region Projects Division

T. A. MULLA, *Manager*
C/W Region PD&C Department

Awards & Certifications



RIGHT! ON TIME! EVERY TIME!

RAS TANURA
REFINERY UPGRADE PROJECT
SAUDI ARABIA

SAUDI ARAMCO
RAS TANURA
REFINERY UPGRADE PROGRAM

PARTICIPATION IN 1,000,000 SAFE PROJECT MANHOURS

(CONTRIBUTIONS TO THE PROJECT LOSS PREVENTION PROGRAM)

PRESENTED TO : *Al-Hammam*

DATE : *21 October 1993*

T.P. ACKERT
PROJECT MANAGER
SAPMT

B.J. HARRIS
DEPUTY PROGRAM
DIRECTOR BRSL

ENGIINEERIING DEPARTMENT

7.1 Engineering Department Overview

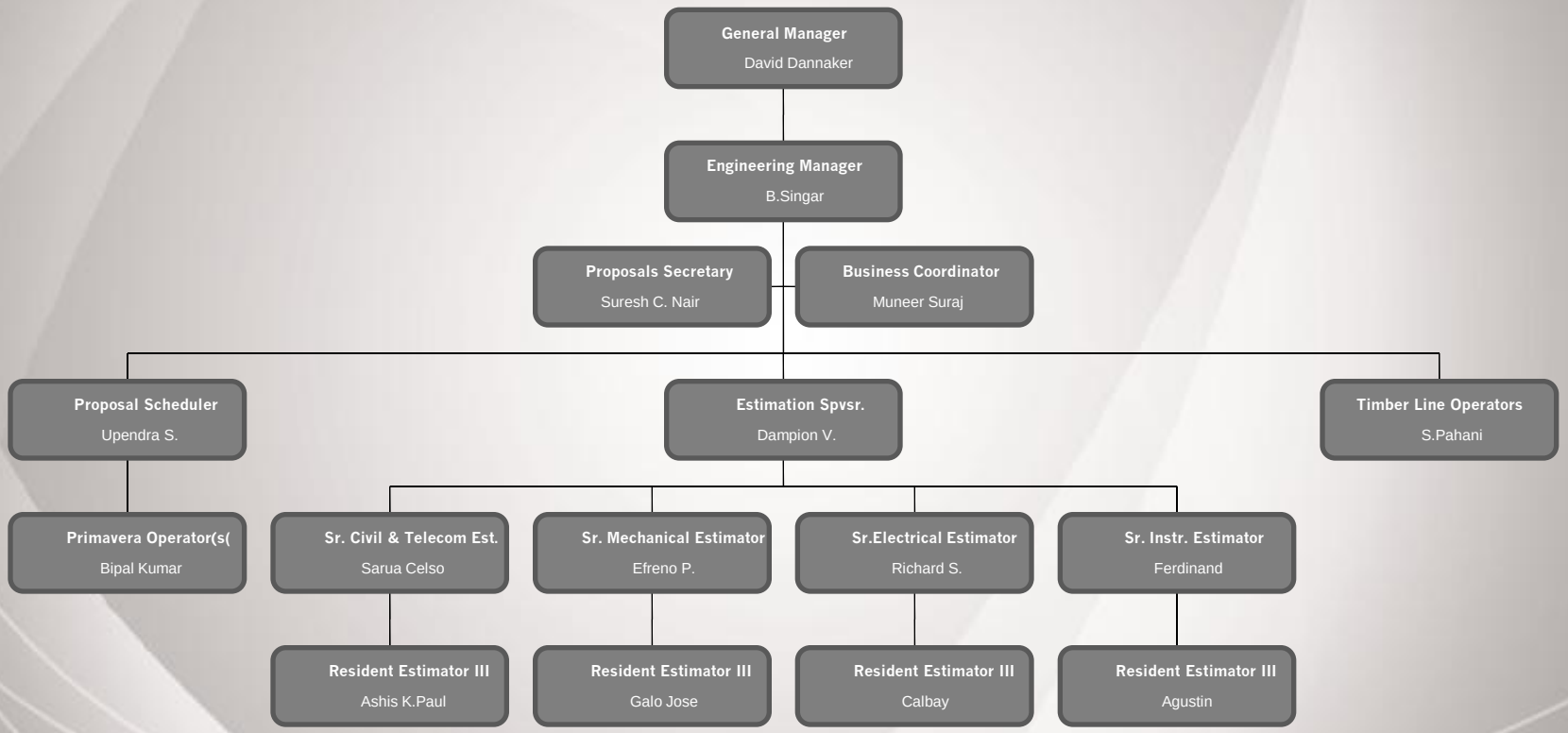
The Cost & Scheduling Department is considered one of the primary elements of our success. The department is fully staffed and automated. All projects are scheduled using the latest version of Primavera. All project schedules include Critical Path Analysis, Manpower Histogram, Loading Curve, "S-Curve" and Resource Allocation Reports. All project schedules are completed using the highest level of detail for work activities possible.

In summary, the Cost & Scheduling Department handles the following activities for all our projects kingdom-wide:

1. Project Estimation
2. Project Scheduling
3. Project Cost Tracking (Actual vs. Estimated)

The responsibilities of the Cost & Scheduling Department include ensuring that all information concerning project costs are fed back for monitoring, verification and processing to be incorporated into future bid proposals. A data bank of all possible work unit rates is kept up to date and readily available for future use. In addition to the work unit rate data bank, a data bank on local conditions throughout Saudi Arabia is maintained. This data bank includes soil conditions, logistics such as housing availability, medical facilities, sub-contractor and catering availability for local and remote site locations throughout the Kingdom.

7.2 Engineering Organization Chart



7.3 Engineering Department Employee List

Name	Position	Years With Your Company	Total Years In Cost / Sch.
PA Joy	Manager	5	15
Lural V	Proposal Scheduler	7	10
Narayanan	Estimation Supervisor	5	14
Adencio Gayo	Scheduler	3	9
Alfredo Mendiola	Scheduler	4	12
Charlie Sapaden	Scheduler	3	7
Robert Ganzalo	Scheduler	5	11
Augustus Morteim	Scheduler	6	10
George Soriano	Scheduler	3	8
Panachos	Estimator	4	9
Chrispin	Estimator	6	12

*Note Resumes Available Upon Request
AHC utilizes computers in the following areas:

Name	Position	Years With Your Company	Total Years In Cost / Sch.
Sharfuddin	Estimator	5	14
Musafar	Estimator	4	9
Muktar	Estimator	3	7
Markandar	Estimator	2	6
Sami	Estimator	2	5
Balasingam	Primavera Operator	3	7
Rico Gracey	Primavera Operator	2	5
Sanjay Patel	Primavera Operator	3	8
Anil Kumar	Timber Line Operator	1	3

*Note Resumes Available Upon Request
AHC utilizes computers in the following areas:

o Scheduling ✓ **yes** _____ no

o Cost Control ✓ **yes** _____ no

o Material Control ✓ **yes** _____ no

PROJECT CONTROLS DEPARTMENT

8.1 Project Controls Department Overview

1. Purpose – (Why it is required)

1.1 To get the actual costs versus the estimated costs (variance) during the execution of the project, as well as, at the end of the project.
1.2 To develop an internal Cost handbook for Estimation Department's reference.
1.3 To monitor, Control and take Corrective Action prior to problems developing, due to non Budgetary Compliance.
1.4 Financial Control and Monitoring
1.5 Monitoring of Productivity and idling Time on Site

2. Scope – (Where it is applied)

2.1Pertains to all sites and projects awarded by clients and undertaken by Al-Hammam Company.

3. Reference Documents – (What are the reference documents)

3.1 Contract Documents/Amendments
3.2 Project Estimates
3.3 Work Center Codes
3.4 Site Project Control Report- Daily
3.5 Project Budget Performance Report (BPR)

4. Responsibilities – (Who are responsible)

4.1 Project Controls Manager is responsible for the overall implementation of this procedure.
4.2 Estimation Manager is responsible for all the manpower; machinery, materials and sub-contracting estimated costs.
4.3 Finance manager is responsible to provide Project Controls Manager of all actual costs incurred on Project.
4.4 Estimation Manager provides all estimated information prior to beginning project to Project Controls Department.
4.5 Project Manager must ensure the quality of the information forwarded by General Foreman, regarding the actual man-hours and machine hours used at site is accurate and not biased.
4.6 Project Manager is responsible for the quality and continuity of the site project control reports on a daily basis.

4.7 All the above mentioned team members in section 4 are collectively responsible for generation and implementation of corrective actions if any noticeable variance on the negative side is identified in the Project Budget Performance Report.

4.8 Project Controls Clerk must ensure that all information is entered correctly on a daily basis and cumulative weekly reports from the daily reports to be generated and forwarded to the Finance Manager

4.9 Concerned General Foreman shall control the work permit receivers for filling of the site project control reports on a daily basis.

4.10 Estimation Manager/ Finance Manager and the Project Manager shall ensure timely flow of information as above, to the Project Control Manager.

5. Procedure – (How the procedure is implemented)

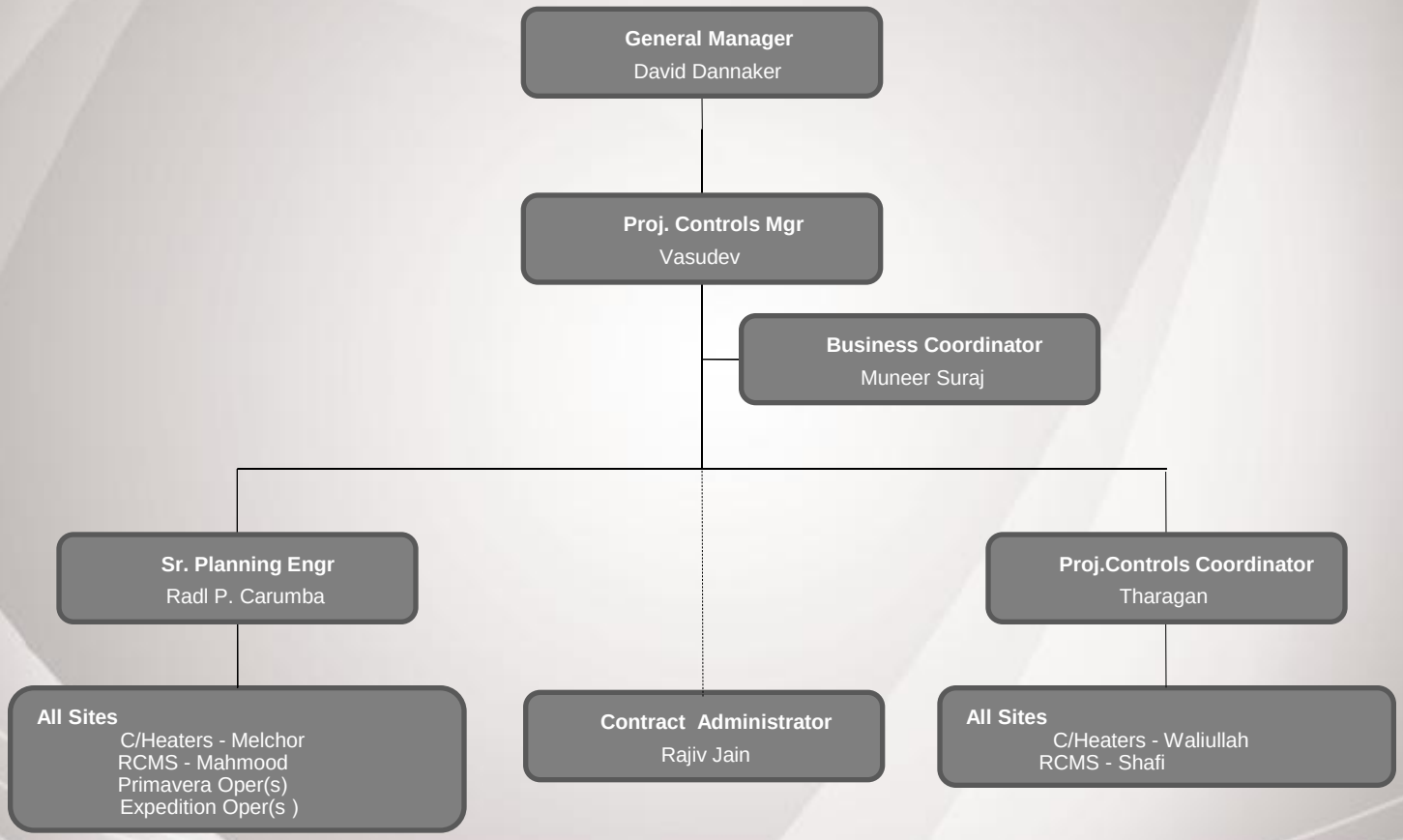
5.1 A Project Control Meeting shall be called by the Project Control Manager with in 10-15 days from the date of signing of the contract.
5.2 The attendees shall include Project Controls Manager/Finance Manager/Estimation Manager/Procurement In-Charge.
5.3 Project Controls manager establishes and presents final Cost Codes and work Center Codes, including any new ones, to be used on the project.
5.4 Estimation Manager briefs the Project Controls Manager and the Finance Manager in the meeting on the overall system, describing any possible changes or variances that may be known before starting, but were not known at the time of bid submittal.
5.5 Estimation Manager shall agree to a time frame to give his manpower, material, machinery and sub-contracting estimated costs and furnish the same information to the Project Control Manager as per schedule.
5.6 Based on Site Project Control reports the Finance Manager shall furnish a report to the Project Control Manager on weekly basis, giving all the information with respect to the actual costs incurred for each of the categories as indicated in the Project Budget Performance report.
5.7 The Project Co ntrol Manager consolidates the information from the finance and estimation departments and evolves the variance as per the Project Budget Performance Report.
5.8 The Project Performance budget reports shall be reviewed by the Project Control Manager on a monthly basis. If an abnormal variance is noticed on analyzing the Project Performance Reports, he shall call for a meeting to include all the responsible persons as described above, in addition to the General Manager and Managing Director, to finalize a corrective action and implement the same.

6. Format & Records

6.1 Project Estimate Report
6.2 Work Center Codes
6.3 Cost Codes
6.4 Site Project Control report- Daily
6.7 Project budget Performance Report(BPR)
6.8 Project Control Review Meeting

Note: All documents can be made available upon request.

8.2 Project Controls Organization Chart



8.3-Project Controls Procedures

Procedure No: **QP 01. 01**	Title: **MANAGEMENT REVIEW**	**REV.** **0**	**Page** **1 of 2**

1.0 PURPOSE

This procedure describes the method employed for management review of company's Quality System for this project.

2.0 SCOPE

This procedure shall be applied to Crude and Vacuum Heater Replacement project –BI No. 3525, being undertaken by the AL-Hammam Company.

3.0 REFERENCE

ISO 9002-1994 Sec 4.1
Schedule Q

4.0 RESPONSIBILITIES

General Manager, Managing director or their representative from the head office will be participating in all the Management Review Meetings specific to this project.

Project Manager will preside over the meeting and review and approve the decisions taken in the Management Review Meetings.

QA / QC Manager is responsible to invite all the key personnel and record the minutes of the meeting.

Construction Superintendent, Senior Engineers/ Discipline engineers / Quality Control Inspectors are the other attendees. Other personnel depending on the requirement and as decided by the Quality Manager shall be invited to the meeting.

5.0 PROCEDURE

Management review meetings shall be conducted once in six months for the company's quality system for this specific project. The implementation of the Project Quality System, Internal Audit Reports, Non-conformities if any and their Corrective Actions will be discussed in detail. Suggested modifications in the procedures and process control to avoid repetition of non-conformities will

Procedure No: QP 01. 01	Title: MANAGEMENT REVIEW	REV. 0	Page 2 of 2

be discussed in detail and decisions arrived and approved by the Project Manager for implementation. Minutes will be recorded by the Quality Manager identifying the responsibilities and time frame for the implementation of the modifications in the Quality System. If a procedure is to be modified Client approval for the same shall be obtained. The specific project and area of concern will also be taken in to account before modifying the procedure.

If there is a requirement for a higher frequency of the management review meetings, the same will be discussed in the first Management Review Meeting, decided and implemented specific to the contract.

DOCUMENTATION AND RECORDS

Agenda for the meeting

Minutes of Management Review Meetings

Procedure No: QP 02. 01	Title: CONTRACT REVIEW	REV. 0	Page of 4 .1

1.0 Purpose

This procedure describes the methodology employed for

Review of tender before submission of proposal.
Review of contracts before accepting.

This enables the company to ensure that

Company has the capability to meet the contract or order requirements.
Channels of communication within the company and with the client are clear.
All amendments/ Change Orders to a contract are correctly transferred to the functional departments.
All records for the above are maintained.
Formal lines of communication are established.

2.0 Scope
This procedure shall be applied to all proposals submitted, all orders, amendments and Change Orders accepted by AHC.

3.0 References
ISO 9001-1994 Sec 4.3
Bid documents/ Project Specifications/standards/drawings etc.,
Amendments to tender documents
AHC proposal
Signed Contracts
Change orders during execution

Procedure No: QP 02. 01	Title: CONTRACT REVIEW	REV. 0	Page 2 of 4

4.0 Responsibilities

Head of the Department of Estimation stationed in Head Office shall be responsible for tender review, contract review, review of amendments to contracts and to ensure that all amendments to a contract are made and correctly transferred to the functional departments.

Project Manager is responsible for the change order quantities and specifications and signing of the Change Orders with the client.

The concerned Project Manager is responsible for the execution of the Change Order as agreed with the client.

5.0 Procedure

5.1 Before submission of the Proposal- During Bidding Stage

Head of the Department Engineering (HOD) can delegate the responsibility on case-to-case basis to a Lead Engineer (LE) or to himself depending on the workload and the nature of the tender.

Either the HOD or the LE, as the case may be, is responsible for the following activities.

1. Tender scrutiny

2. Decide whether AHC has interest and the necessary resources.

3. Any technical querries and clarifications shall be collected from the respective discipline engineers and the same shall be sent to client for their response.

4. Ensure all the required documents are supplied to the Estimation Engineers of different disciplines (Civil, Mechanical, Electrical, Instrumentation and Telecommunications), as required depending on the nature of the job.

5. Collect the cost estimation and comments from the Estimation Engineers

6. Consolidate the cost and price

7. Make a Techno-commercial proposal

8. Take management's approval

Procedure No: QP 02. 01	Title: CONTRACT REVIEW	REV. 0	Page 3 of 4

9. Submit to client before due date

5.2 Before accepting the order

HOD or designated Lead Engineer as the case may be is responsible for

Compare the order requirements with the tender requirements in all respects with the assistance of Discipline Engineers, wherever required.

If there are any differences, the same are to be brought to the client's notice and client's approval for a change order is to be obtained.

Change Orders may be agreed at a latter date during execution at a mutually agreed price, terms and conditions.

5.3 Change Orders

* The Change Order Requests will be initiated by the Project Contracts Engineer Superintendent and approved by the Project Manager.
* All Field Discipline Engineers shall assist the Contracts Engineer in identifying the Change Order, if there is any.
* On signing of the Change Order Request by the client and AHC Project Manager, the Construction Superintendent shall coordinate with the Contracts Engineer and the Discipline Field Engineers to plan for the resources required to complete the change order.

* Construction Superintendent is responsible for the mobilization of the extra resources required, if any for the completion of the project.

* Contract Engineer shall coordinate with the Field Discipline Engineers of different disciplines and obtain the Material Take Off list along with specifications. These quantities as agreed and signed with the client, shall be utilized for cost estimation.

* The contract Engineer will coordinate with Head Office Estimation Department for cost estimation. The Project Manager is responsible to obtain management 's approval and for submission of the proposal for the change order to the client. The change Order negotiation and acceptance will be handled by the Project Manager.

The material indents shall be signed by the concerned discipline engineers and should include all the material specifications. It is the responsibility of the Project Managers to release correct material indents and Senior procurement engineer is responsible for procurement of the materials within the delivery time and meeting all the specifications requested by the PMs.

3.0 DOCUMENTATION AND RECORDS

FORM #.C-002 - Check List for tender review
FORM # C-004 - Check list for contract review

Procedure No: QP 03. 01	Title: DOCUMENT AND DATA CONTROL	REV. 0	Page 1 of 3

1.0 PURPOSE

This procedure describes the method employed for the documentation control for all AHC projects. The purpose is to pinpoint responsibilities in the issue, use and revision of design data, drawings and specification.

2.0 SCOPE

This procedure shall be applied to all the projects and day-to-day working of the Company's Quality System.

3.0 REFERENCE

ISO 9001-1994 sec 4.5
Project drawings, specifications, data sheets etc.,
Applicable standards and codes.
Project QA/QC documents.
Company's Quality System Documents
Applicable API – American Petroleum Institute Standard.
Applicable ANSI-American National Standard Institute.
NEC- National Electric Code.
Applicable ASTM – American Society for Testing and Materials.
Applicable ASME- American Society of Mechanical Engineers.

4.0 RESPONSIBILITIES

4.1 Document Controller

He is responsible for receiving and controlling of Approved For Construction (AFC) drawings and specification from CLIENT.

Issue corresponding copies of AFC drawings and specification to QC Manager for QC functional use and to the Project Manager for job execution.

Issue revised copies of AFC drawings and specifications to all concerned and destroy or mark VOID or SUPERSEDED issues.

4.1 Document Controller

He is responsible for receiving and controlling of Approved For Construction (AFC) drawings and specification from CLIENT.

Issue corresponding copies of AFC drawings and specification to QC Manager for QC functional use and to the Project Manager for job execution.

Issue revised copies of AFC drawings and specifications to all concerned and destroy or mark VOID or SUPERSEEDED issues.

Procedure No: QP 03. 01	Title: DOCUMENT AND DATA CONTROL	REV. 0	Page 2 of 3

He is responsible in maintaining project drawings of the latest revision and correspondence with the client and sub-contractors at site. He is also responsible for maintaining obsolete drawings at separate place with proper identification on the drawings. He will report directly to QC Manager

Maintains all copies of applicable revised and latest issue of codes and standards, specifications, drawings, procedures and other pertinent references. These documents shall be readily accessible to authorized personnel from the client and its representative and the contractor.

As-built will be recorded by the concerned discipline engineers and transferred in to a set of drawings kept for this purpose.

As and when project drawings are revised, the invalid drawings shall be retracted from all sources of issue/use. All copies of invalid drawings shall be stamped SUPERSEEDED. These invalid drawings shall be maintained with proper identification in such a way to prevent any unintended use.

4.2 Discipline QC Inspectors

Reports of on-site test and inspection will be kept in an organized form for easy retrieval. All the test certificates and inspection reports including from suppliers and/or other testing agencies will be certified by the respective Quality Inspector and records maintained. These reports and test certificates will be arranged and submitted to client or client's representative for review, as and when required

4.3 QA/QC Manager

He is responsible for:

Distribution of the Project Quality Plan to all personnel as per the distribution list.

Distributing the latest revisions of Quality Manuals/ Procedures/ Formats as per the distribution list.

Procedure No: QP 03. 01	Title: DOCUMENT AND DATA CONTROL	REV. 0	Page 3 of 3

Marking controlled or uncontrolled copies on the Quality System Documents.

5.0 PROCEDURE

AHC shall maintain an orderly Documentation Control system of all drawings, specification and QA/QC documents to include all submittals directed to the client and company's Quality System Documents.

Identification of documents and data.
Access to such documents and data.
Review and approval of documents and data.
Removal of invalid/obsolete documents and their removal from the system.

A close coordination between AHC's personnel shall be observed on issuance and receipts of approved and latest documents.

6.0 DOCUMENTATION AND RECORDS

Form # D-001 Document transmittal Form
Issued for Bid Documents
Approved for Construction Documents
Project Drawings, Specifications, etc..(Latest Revision)

Procedure No: QP 04. 01	Title: PURCHASING	REV. 0	Page 1 of 7

1.0 PURPOSE

This Project Material Procurement Plan (PMPP) has been developed by Al Hammam Company (AHC) to suit specifically the needs of Crude and Vacuum Heater Project – BI # 3525. These are consistent with Saudi Aramco guidelines and covers all materials to be supplied by AHC and Saudi Aramco supplied materials as mentioned in Attachment I of Schedule 'G' of contract documents.

The main objective of this Procedure is to plan, organize, execute and control the free flow of materials to the job site to meet the specific project requirements, consistent with the project schedule. The procured material shall necessarily conform to the project specifications, industrial standards in general and Saudi Aramco Material System Specifications in particular.

2.0 SCOPE

This procedure applies to all procurement activities connected with the Crude and Vacuum Heater Replacement Project in Riyadh Refinery

3.0 RESPONSIBILITY

The material procurement department will be headed by the Procurement Manager. He will be responsible for all procurement activities. The Material/ Procurement Engineer will assist him in all technical matters regarding specifications, standards, BOQs/MTOs, evaluation of bids etc. A material Supervisor assisted by Purchase Assistants will be coordinating with material Procurement Engineer for all field activities. The organization is completed by a procurement Q/C supervisor and a document controller. Various inspections at vendor premises shall be carried out by discipline engineers qualified as per 'Schedule Q' for performing such inspections.

4.0 REFERENCES

Scope of work
Project documents
Project drawings, Isometrics and tie in Schedules.
Project material specifications.

Saudi Aramco Material Specification System.
Saudi Aramco Engineering Standards.
Saudi Aramco Standard Drawings.
Saudi Aramco Commodity Classification Codes.
Saudi Aramco approved vendors and manufacturers list.
Saudi Aramco supplied materials as per Attachment I to Schedule 'G' of the contract.
Applicable International Codes and Standards.

5.0 PROCEDURE

The procurement procedure will be based on the following:

5.1 Develop procurement plan and spare parts in accordance with contract Schedule 'G', which shall be subject to PMT review.

5.2 Work out bill of quantities from 'Issued for construction' drawings and finalize the Material Take Off (MTO) list.

5.3 Separate Saudi Aramco supplied materials (Sch. 'G' Attachment-1) from procurement list.

5.4 Standardize material types, sizes and characteristics to the material description within the SAMS system.

5.5 Mention full specifications of the material based on Saudi Aramco Engineering Standards.

5.6Identify and allocate Saudi Aramco CC Codes for the material.

5.7 Identify the inspectable material and the relevant SAMSS and inspection formats – SA 175.

5.8 Prepare Material Requisitions (MR) and submit to Saudi Aramco for review and approval.

Procedure No: QP 04. 01	Title: PURCHASING	REV. 0	Page 3 of 7

5.9 SAPMT shall review major material requisitions, Purchase Orders and Vendor documentation deliverables for compliance to contract specifications and requirements

5.10 Identify long lead materials. Materials determined by PMT to be schedule critical shall be procured using established novation, terms and conditions.

5.11 AHC shall review materials within Saudi Aramco excess and surplus material inventories and upon determining suitability, shall assist the PMT to formally reserve these materials and subsequently incorporate them as materials to be provided by Saudi Aramco, into the construction contract.

5.12 SAUDI ARAMCO may provide AHC with a worldwide list of commercially and technically acceptable suppliers for certain materials. Regulated Vendor Lists (RVL) mentioned in Saudi Aramco Engineering Standards (SAES) shall be used as reference while selecting vendors. AHC shall develop its own supplier's list for categories of material for which SAUDI ARAMCO has not provided lists. AHC shall identify Aramco approved Vendors /Suppliers / manufacturers suitable for each item of procurement based on the following guidelines.

Include as far as possible any Saudi manufacturers listed in the IDD4-A report.
Affirm technical and financial capacity of bidders.
Affirm the acceptability of bidder manufacturing capacity
Based on MR approvals, AHC shall invite proposals from the approved vendors/suppliers for prices, delivery time, product datas & specifications, availability etc.

5.13 AHC shall receive the proposals from vendors and evaluate them technically and commercially. AHC shall make comparison statements and select vendors for each item of procurement.

5.14 AHC shall invite the selected vendors for negotiations and discuss the terms and conditions, prices, delivery period, inspection and documentation requirements, transportation, responsibilities/penalties etc. All discussions in bid negotiations and clarification meetings between AHC and bidder shall be documented.

5.15 AHC shall evaluate and accept vendor bids, negotiate and place orders for all materials

5.16 Vendors shall acknowledge receipt and acceptance of all terms and conditions mentioned on the purchase orders.Vendors shall obligate firm delivery dates for all materials and no attributable delays or price escalations due to any reasons shall be entertained later. Where required, Purchase Orders to include partial with-holding of payment for any equipment requiring submission of operating spare parts data.

5.17 An unpriced copy of purchase orders shall be submitted to Saudi Aramco on request.

5.18 Post placement of orders, AHC shall obtain the shop fabrication drawings and Inspection & Testing Plan - where applicable – review these for compliance with project specifications, standards and codes before submitting the same to Saudi Aramco for review and acceptance.

5.19 SAPMT to stamp and approve all Engineering drawings and equipment specification/data sheets of approved vendor or manufacturer's submittals.

5.20 An Inspection Assignment Package shall be prepared for all inspectable material in line with 'Schedule Q' requirements.

5.21Vendors shall be required to submit the Data Sheets; inspection/certification requirements; operating, start up, commissioning spare parts data and requirements; and installation/maintenance manuals – along with material deliveries.

5.22 All material delivered by the vendors shall be new and unused. The delivered material shall necessarily conform to the project specifications, industrial standards in general and Saudi Aramco Material Specification system in particular.

5.23 AHC shall submit a monthly procurement status report to SAPMT. The report will reflect all major mile stones associated with equipment and construction material purchase orders - to include: Purchase Order No, Vendor Name, Quoted Fabrication time, Mode of Shipment, Dates of material requisition and approval, Non Material Requirement submission dates, Material Shipment dates (Ex-works/Ex-stock dates) and job site required dates.

5.24 AHC to submit a monthly report to SAPMT, which will highlight all Purchase Orders generated during the previous month.

5.25 AHC shall provide on call basis, Vendor Representative services for all AHC provided equipments during start-up and commissioning. Vendor Representative shall be on-site for final installation inspection prior to start-up, for initial start-up, for any run-in test and/or Site Acceptance Testing, and for final commissioning inspection.

5.26 AHC shall provide ABB's technical representative's services as required for installation and commissioning of the Crude & Vacuum heaters.

5.27 Quality Assurance & Control, Inspection And Testing AHC shall not place purchase orders for any equipment or materials assigned an inspection level in Attachment VI of Schedule "Q" prior to Saudi Aramco's approval of the Procurement Quality Plan.

5.27 Quality Assurance & Control, Inspection And Testing

AHC shall not place purchase orders for any equipment or materials assigned an inspection level in Attachment VI of Schedule "Q" prior to Saudi Aramco's approval of the Procurement Quality Plan.

An Inspection & Test Plan shall be prepared for all material assigned inspection level-2 and above. AHC shall identify all material that will require specific pre-inspection meetings and ITPs. Each ITP shall include AHC's required witness and hold points for all equipment purchases.

AHC may subcontract inspection services, subject to SAUDI ARAMCO's review and approval.

Internal audits shall be carried out at twenty-five percent (25%) and seventy-five percent (75%) of completion stage for the Procurement Phases. AHC shall submit to Saudi Aramco a copy of each audit report within fourteen (14) calendar days of its completion.

The Company Representative of Saudi Aramco or its nominee shall be invited to participate in all audits and reviews. Audit and review notifications shall be submitted to Saudi Aramco fourteen (14) calendar days in advance.

AHC shall submit to Saudi Aramco each week a two-week look-ahead schedule for all planned QA/QC activities during the Procurement.

AHC shall maintain Material Traceability on all equipment, materials, parts and components. Identification of an item shall be addressed either by using tags, stamps, color coding, stencils or labels or by records traceable to an item throughout fabrication, erection, installation, repair, modification and use of the item.

Section 8.0 Project Controls Department

AHC's quality control personnel shall review requisitions and purchase orders prior to placement to ensure that all technical and quality requirements are included as per Saudi Aramco standards.

AHC shall ensure that all suppliers and manufacturers have and maintain acceptable QA/QC programs as identified in the relevant ISO-9000 Series standards.

Supplier and sub supplier personnel for NDT, Positive Material Identification, and welding shall be qualified as specified by Saudi Aramco's Standards. AHC shall review and approve such qualifications prior to the start of manufacturing. AHC shall make supplier and sub-supplier NDT personnel records and Welder Qualification Records available to the Company Representative on request

Inspection Assignment Packages shall be prepared by AHC for all material assigned an inspection level-2 and above. Three copies of the IAPs shall be submitted to Saudi Aramco for review and approval. Each IAPs shall include copies of an unpriced purchase order, Material Requisitions, Inspection formats, Inspection Assignment Sheet, Inspection & Test Plan, Level of inspections and agenda for each pre-inspection meeting where appropriate.

AHC and its approved third party inspectors shall schedule and perform source inspection at supplier and sub-supplier fabrication sites as specified in the approved Inspection and Test Plans. All vendor inspection reports shall be submitted to Saudi Aramco within 10 days of each shop visit.

AHC shall require its Subcontractors / suppliers to submit manufacturing and test reports as specified on each form SA-175. AHC shall review and indicate its acceptance of these inspection records prior to issuing the inspection (or shipping) release. A copy shall be provided to SAUDI ARAMCO with the Inspection Disposition Report.

AHC shall inspect all incoming equipment & material for damage and for conformance to all applicable requirements, including the supplier inspection release with verified Material Test Reports (MTR).

specifically the needs of the above project. These are consistent with Saudi Aramco guidelines and covers all materials to be supplied by AHC and Saudi Aramco supplied materials as mentioned in Attachment I of Schedule 'G' of contract documents.

6.0 DOCUMENTATION AND RECORDS

Material Requisitions
Purchase Orders
Inspection Assignment Packages
Inspection Records

Procedure No: QP 04. 02	Title: MATERIAL CONTROL	REV. 0	Page 1 of 4

1.0 PURPOSE

This procedure describes the methodology of materials receiving, issuing, handling, storage facilities, material identification and trace ability, inspection and maintenance records for all materials received at site.

2.0 SCOPE

This procedure shall be applied to all personnel and activities related with materials receiving, issuing, handling, storage facilities, material identification and trace ability, inspection and maintenance of records for all materials received at site.

3.0 REFERENCE

ISO 9001:1994 CL 4.6
Schedule Q
Vendor Storage and Handling Recommendations

4.0 RESPONSIBILITY

The materials department at site will be headed by the Material controller, who will be directly responsible to the procurement Manager for all matters concerning material. He will coordinate with the site manager for the deliveries and the Q.C. Manager for all inspections and verification of specifications and Test/mill certificates. The Material Controller will be assisted by Store Keepers and warehouse assistants in his daily activities.

5.0 PROCEDURE

5.1 MATERIAL RECEIVING

Upon arrival of material at site following procedures shall be followed by site personnel:

5.1.1 Ensure the material was packed and transported in accordance with the requirements detailed in the specification or Q.C. documents.

5.1.2 The material corresponds to actual requirement.

Procedure No: QP 04. 02	Title: MATERIAL CONTROL	REV. 0	Page 2 of 4

5.1.3 Visual inspection for damages/irregularities in quantity.

5.1.4 Dimensional inspections.

5.1.5I dentify the material against T.Cs. and specifications etc.

5.1.6 Check whether the QA/QC documents, parts lists, O & M manual, spare parts list, start up kits etc. have been received along with material, and mention the same in the Material Receiving Note (QAM-027).

5.1.7 Based on merit, accept/reject the material.

5.1.8 If rejected, complete relevant documentation and return to Vendor.

5.1.9 If accepted, include the item in the stock ledger and logged on the material receiving register (QAM 027).

5.1.10 Material will be unloaded and stored at designated areas in a proper manner with protective coverings wherever required.

5.1.11 Material will not be issued for construction or moved to permanent storage area unless the receiving formalities are completed.

5.1.12 The inspection (QAM 011) report which is made out immediately upon receipt of material, serves the following purposes:

It is the field office check of actual receipts compared to the quantities invoiced by the supplier and is therefore used in verifying vendor's invoices.

It is a report on damage in shipment.

5.1.13 All material will be tagged firmly with identity tags giving details of :

J.O. No.
Project Site

Purchase Order # / SAMSS Catalog # (for Saudi Aramco supplied material only)

Parts description

Line No./Drg. No

5.1.14 All material received at site shall be stored inside properly fenced area ensuring safety and security of the material. The access to this area will be controlled by the material controller or his authorized representative.

5.1.15 AHC to follow up Vendor/Supplier for expedited replacement of rejected material.

5.2 MATERIAL ISSUING

5.2.1 All material on receipt at site will be included in stock ledger, which will clearly mention the location of storage, Drg No/Part No.etc.

5.2.2 The withdrawal of material from the warehouse or storage areas shall be by material requisition initiated by the responsible Supervisor or his designated representative on the appropriate forms. The request identifies the material and application references to a drawing except for equipment, which is by equipment tag number.

5.2.3 The warehouse personnel shall process the material requisition form and issue the material after completing the entries in the material issue register. A copy of the register is made and sent to the Material Engineer, for control and traceability of materials used at the field.

5.2.4 Site will maintain proper bin cards and daily issue records.

5.2.5 All material will be issued against Drg No/system.

5.2.6 Issue of material for construction will be logged on Material Issue register

Procedure No: QP 04. 02	Title: MATERIAL CONTROL	REV. 0	Page 4 of 4

5.3 ARAMCO SUPPLIED MATERIAL

5.3.1 This section includes all materials supplied by Saudi Aramco as per Attachment-1 to 'Schedule G' of the contract.

5.3.2 AHC will notify names, signature and six digit I.D Nos of two personnel to SAPMT, who will be authorized to receive Aramco Supplied material.

5.3.3 AHC shall schedule construction activities to match the ETA of Aramco supplied material.

5.3.4 Prior to taking delivery of material, AHC will inspect the material for specifications, general conditions and suitability for construction.

5.3.5 AHC personnel shall coordinate with Saudi Aramco material department for completing the issue/receipt formalities.

5.3.6 Saudi Aramco will deliver all Saudi Aramco supplied material to AHC storage yard at work site.

5.3.7 Start up spares shall be inventoried, "tagged & bagged", and stored with the parent equipment. Start up spares shall be identified on material control records, listing each item, the quantity received, and storage location.

6.0 DOCUMENTATION AND RECORDS

Documentation/records related to all purchase orders, material receiving, material issuing, rejection of materials, monthly material issue/receipt status, Material Master ledger, MTOs/BOQs etc. shall be updated and maintained at site at all times

Procedure No: QP 05. 01	Title: **CONTROL OF CUSTOMER SUPPLIED PRODUCTS**	REV. 0	Page 1 of 4

1.0 PURPOSE

This procedure describes the methodology of materials receiving, issuing, handling, storage facilities, material identification and traceability, and inspection and maintenance records for all CUSTOMER ISSUED materials received at site.

2.0 SCOPE

This procedure shall be applied to all personnel and activities related with materials receiving, issuing, handling, storage facilities, material identification and traceability, inspection and maintenance of records for all CUSTOMER ISSUED materials received at site.

3.0 REFERENCE

ISO 9001:1994 CL. 4.7.
Customer un-priced Purchase Order on their vendor.
Technical terms and conditions
Material Specifications.
Test Certificates and Records

4.0 RESPONSIBILITY

The Material Controller will be directly responsible to the Site Manager for all matters concerning receipt of Customer issued material. He will coordinate with Q.C. inspectors for all inspections and verifications and test / Mill certificates. Storekeeper and warehouse assistants will assist the Material Controller in handling and storage of customer issued materials.

5.0 PROCEDURE

5.1 GENERAL

1. This section included all materials supplied as free issue by the client

Procedure No: QP 05. 01	Title: **CONTROL OF CUSTOMER SUPPLIED PRODUCTS**	REV. 0	Page 2 of 4

2. AHC will provide names & signatures of two persons, one is a material controller and other is a suitable replacement to the client, who will be authorized to receive the free issue materials.

3. AHC shall schedule construction activities to match the ETA of free issue material.

4. Prior to taking delivery of material, AHC will inspect the material for specification, general conditions and suitability for construction.

5. AHC personnel shall coordinate with the clients material department for completing the issue/ receipt formalities.

5.2 MATERIAL RECEIVING

* Upon arrival of material, The site personnel will comply with the following procedure:-

1. Ensure the material was transported and packed in accordance with the requirements detailed in the specification or Q.C. documents.

2. The material corresponds to actual requirement.

3. Visual inspection for damages/irregularities in quantity.

4. Dimensional inspections.

5. Identify the material against Test Certificates and specifications etc.

6. Check whether the QA/QC documents, parts lists, O & M manual, spare parts lists, start up kits etc. have been received along with material and mention the same in the Material Receiving Note (QAM-027).

7. Based on merit, if non-conformity is observed inform the customer through NCR form.

8. If rejected, complete relevant documentation and inform customer.

9. If accepted, include the item in the stock ledger and logged on the material receiving register (QAM-027)

Procedure No: QP 05. 01	Title: CONTROL OF CUSTOMER SUPPLIED PRODUCTS	REV. 0	Page 3 of 4

10. Material will be unloaded and stored at designated areas in a proper manner with protective coverings wherever required.

11. Material will not be issued for construction or moved to permanent storage, unless the receiving formalities are completed.

12. The inspection (QAM-011) report is made out immediately upon receipt of material, serves the following purposes:

It is the field office check of the actual receipts compared to the quantities to be issued by the customer and is therefore used in verifying project requirements.
It is a report on damage

13. All material will be tagged firmly with identity tags giving details of
a). J.O. No.
b) Tag no. With full details
b). Project Site
c). Customer Purchase Order No.
d). Material Description and quantity.

14. All material received from customer shall be stored inside properly fenced area ensuring safety and security of the material. The material controller or his authorized representative will control the access to this area.

15. A monthly or quarterly report based on project requirements, showing materials received against total materials to be received will be submitted to the client.

AHC Project Manager shall follow up with Customer for expediting replacement of rejected material, if any.

17. Start up spares shall be inventoried, “tagged & bagged” and stored with the parent equipment. Start up spares shall be identified on material control records, listing each item, the quantity received and storage location.

Procedure No: QP 05. 01	Title: **CONTROL OF CUSTOMER SUPPLIED PRODUCTS**	REV. 0	Page 4 of 4

5.3 MATERIAL ISSUING

1. Al material on receipt at site will be included in stock ledger which will clearly mention the location of storage, Drg No. / Part No. Etc.

2. The withdrawal of material from the warehouse or storage areas shall be by material requisition initiated by the responsible supervisor or his designated representative on the appropriate forms. The request identifies the material and application references to a drawing except for equipment, which is identified by equipment tag number.

3. The material controller shall process the material requisition form and issue the material after completing the entries in the material issue register. A copy of the register is made and kept with Material Controller for control and traceability of materials used by the field.

4. Issue of material for construction will be logged on material issue register (QAM-026)

6.0 DOCUMENTATION AND RECORDS

Documentation/records related to all free issued materials from customer, material receiving, material issuing, rejection of materials, monthly material issue/receipt status, Material Master Ledger, etc. shall be updated and maintained at site at all times.

Procedure No: QP 06. 01	Title: **PRODUCT IDENTIFICATION AND TRACEABILITY**	REV. 0	Page 1 of 3

1.0 PURPOSE

This procedure describes the method employed for identification of all documents, materials, parts and components including partially fabricated assemblies through out fabrication, erection, installation, repair, modification and use of the item.

2.0 SCOPE

This procedure shall be applied to all the projects being undertaken by AHC.

3.0 REFERENCE

ISO 9002-1994 Sec 4.8
Specific Quality Requirements of clients

4.0 RESPONSIBILITIES

The concerned Quality Inspector is responsible for establishing the systems for identification, marking and traceability during fabrication and installation. This covers bulk materials, fabricated items and/or finished product coming from AHC's principal vendors. The marking shall ensure proper identification of items, traceability to match with the technical specifications, or drawing. Purchase Manager shall ensure ordering and shipping document incorporates the necessary identification marks.

5.0 PROCEDURE

5.1 Identification system

System of identifying items shall be in accordance with the required contract technical requirement and industry standard. The identification marking consist generally of:

Standard Marking
Purchase Order Item Code No.
Color Marking
Name Plate

Procedure No: QP 06. 01	Title: PRODUCT IDENTIFICATION AND TRACEABILITY	REV. 0	Page 2 of 3

Mode of identification marking for example items are:

Structural Steel	Member Classification Number/MarkNumber
Piping & Fitting	Typology indicating size, rating and Material Classification.
Electrical Equipment	Specific Manufacturer Name plate with equipment tag no.
Instruments	Tag nos. and identification for specific loop/system.

Equipments	Name Plate with equipment Description , Tag number. Manufacturer's name and contract number
Bulk Material	Color band marking and stock code number.
Welding Electrodes	Batch number/Heat Number

Generally the above identification marking are established on the working drawings and material list sheet for correlation during fabrication and/or installation.

5.2 Marking and Traceability during Fabrication and Installation

Bulk Materials

Purchase bulk materials from Vendors/Suppliers have pre-determined identification marks accompanying mill certificates.

For raw steel shapes, the marking are punched-stamped on the surfaces. Non-steel items are tag-marked and color-coded for identification.

Shop Manufactured Items

Markings are traceable based on shipping advice documents and packing list.

Procedure No: QP 07. 01 A	Title: **PROCESS CONTROL EARTH WORKS**	REV. 0	Page 1 of 3

1.0 PURPOSE

This procedure describes the company system for execution of all earth works.

2.0 SCOPE

This procedure applies in all excavation, hauling ,placing, spreading, moisture conditioning, grading off and dressing up areas adjacent to road embankment and all other associated work.

3.0 REFERENCES

ISO 9001-1994 Cl. 4.9.
Project drawings/specifications/client standards etc.,
G.I.2.100 – Work Permit System
SAES-M-100- Saudi Aramco Building Code
ASTM-D1566 Test Method for Density of soil in Place by the Sand-Cone Method.
ASTM-D-1557 Test Methods for Moisture-Density Relations of Soils and Soil-aggregate Mixtures using 10 lb (4.54 kg) Rammer and 18 in. (457 mm) Drop.

4.0 RESPONSIBILITIES

Discipline Field civil engineer is responsible for the execution and QC Inspector- civil is responsible for the quality control.

5.0 PROCEDURE

5.1 Excavation

A site survey of existing grades will be performed prior to the start of grading/excavation.

5.2 Fill

No fill material shall be placed until the surface of subsoil is cleaned, free of standing and running water and also accepted by Client/Representative.

Fill material shall be laid, watered and compacted in layers using proper compacting equipment.

Testing and Compaction

Testing requirement for cohesive material, the laboratory density and optimum moisture for cohesive fill material shall be determined in accordance with ASTM d 1557, at least one (1) for every 10 relative compaction determination and also for every change in soil type and/or borrow source.

Testing requirement for cohesion less material, the laboratory density for cohesion less shall be determined in accordance with the ASTM D-4254 procedure for determination of maximum density at least once every Ten (10) relative compaction determination, and also for every change in soil type and/or borrow source.

6.0 DOCUMENTATION AND RECORDS

Inspection and Test Plans
Inspection and Test Records
Laboratory Test Reports
Soil Compaction Test Reports

Procedure No: QP 07. 01 B	Title: **PROCESS CONTROL ASPHALTING WORKS**	REV. 0	Page 1 of 7

1.0 PURPOSE

This procedure describes the company system for execution of all asphalting works.

2.0 SCOPE

This procedure applies to the construction of all company's asphalt concrete pavements. This work includes shaping and final compaction of earth for the construction of sub-base, base and surface courses.

3.0 REFERENCES

ISO 9001-1994 Sec 4.9

Project drawings/specifications/client standards etc.,

ASTM-D-1556- Test Method for Density of Soil in Place

by the Sand-Cone Method.

ASTM-D-1557 -Test Methods for Moisture-Density Relations

of soil-aggregate mixtures using 10 lb. (4.54 kg) Rammer and 18 in. (457 mm) Drop.

AASHTO-Guide for Design of Pavement Structures American Association of State Highway and Transportation Officials, 1986.

4.0 RESPONSIBILITIES

Field civil engineer is responsible for the execution and QC Inspector civil is responsible for the quality.

5.0 PROCEDURE

ASPHALT CONCRETE PAVING

Materials (Sub-base)

Marl bases and sub bases shall be uniformly graded with at least 97 percent of the material passing the 3-1/2 inch.(8.9 cm) sieve and less the 15 percent passing the No.20 sieve.

The CBR of the soaked marl is determined as the optimum moisture content for maximum dry density using the ASTM D 1557, Method D, compactive effort in the laboratory shall not be less than 50 for base material and not less than 15 for sub base material. If the moisture content of the in situ marl exceeds the optimum moisture content determined in the laboratory, corrective measures should be taken to upgrade the marl so that it will have a minimum soaked CBR at its natural moisture content of not less than 50 for base material or 15 for sub base material, or, the total pavement design thickness should be established using the CBR value of the marl as determined for its natural moisture content and using the ASTM D-1557 compactive effort. Marl shall be sampled and tested as required by the Project Engineer.

5.2 Construction

Prior to constructing the crushed stone or marl base course, the sub grade shall be cleaned of all foreign substances. It shall be inspected by the Project Engineer for adequate compaction and surface tolerances. Ruts of soft, yielding spots having inadequate compaction shall be corrected to the satisfaction of the Project Engineer.

5.2.1 Placing

Granular base material shall be placed in layers of uniform thickness with approved spreaders. Layer thickness generally shall not exceed 6 inches after compaction. When vibrating or other approved types of special compacting equipment are to be used, approval may be given for increasing the permissible thickness of layers, provided the ability of such equipment to achieve acceptable compaction to the full layer depth is demonstrated. When the base or sub base course is constructed in more than one layer, the previously constructed layers shall be cleaned of loose and foreign matter. The water content of the material shall be maintained during placement at the optimum percentage (+1-1/2%) as determined by ASTM D-1557.

5.2.2 Compaction

While at optimum moisture (+1-1/2%) the sub base, base material shall be compacted with equipment capable of obtaining the desired density to the depth of respective layer. The rolling shall continue until the sub base is compacted to not less than 95 percent of the maximum laboratory density as determined by ASTM d 698, and the base is compacted to not
less than 100 percent of the maximum laboratory density as determined by ASTM D 1557, Method D. In-place density shall be measured by ASTM D 1556 or other approved methods.

5.2.3 Finishing

The surface of the compacted material shall be finished by blading or with automated equipment especially designed for this purpose and rolled with steel-wheeled roller. In no case will thin layer of fine materials be added to the top layer of the base course in order to meet the grade. The surface of the completed base shall not show any deviation in excess of 6mm in 3m., when tested with a 10 feet (3 M) long straightedge. The completed thickness indicated, and the average thickness shall not be less than the design thickness.

5.3 Preparation of Bituminous Base Course

All surfaces shall be cleaned of dust and other unsuitable materials by use of hand broom, power broom and air compressor before applying prime coat.

Prime coat (MC-70) Application shall be heated to 50-80 Degree C and distributed at the rate of 0.65 to 1.75 liters/Sq.M variation of +20% of prepared surfaces and allowed to cure and dry to attain penetration and volatize for at least 24 hour without any traffic.

The appropriate application shall be determined in accordance with ASTM D-2995 (80 Deg C) and the result of such trials shall be submitted to Client/Representative for review.

Spread rate of the prime coat (MC-70) shall be maintained within the above range specified by controlling the speed of the truck along with

the pressure of the pump. Quality control Engineer shall ensure that the spread rate of prime coat is maintained.

Prime coat shall be applied to sub-base at optimum moisture Content.

The prime coat shall be applied to kerbs or other concrete surfaces, manhole covers and gully grating frames, And any other surface with which the bituminous base course will be in contact.

5.4 LAYING OF BITUMINOUSE BASE COURSE

5.4.1 Asphalt Mix

The Asphalt Mix shall not be heated to exceed 139 to 163 degree C. at the mixing plant to viscosity at which it can be uniformly distributed throughout mixture.

5.4.1 Placing the Mix

Placing the mix shall be primarily by machine and at inaccessible areas shall be placed manually. Irregular areas will
be paved by means of the following equipments to ensure the proper finish grades.

Bobcat
Hand Shovels
Rakers
Small Steel Rollers with vibrator
Plate Compactor and Jumping Jacks.

Asphalt crew surveyor shall fix a string line at an offset of 30 cm from edge of the asphalt to guide the paver. Width of the paver shall be made enabling to cover half of the road in one pass.

Asphalt concrete material shall have a temperature between 139 to 163 degree C. when it leaves the plant and shall be unloaded at temperature of 139 degree C.

5.4.2 Compacting the Mix

Breakdown rolling shall be done by a steel drum roller making two (2) completed passes with vibration.

Compaction of the asphalt concrete material shall be done in six (6) complete passes using small steel drum roller.

Finish rolling shall be done with steel drum roller making two (2) passes with low vibration.

5.4.4 Compaction Requirements

The density of the specimen determined in accordance with ASTM D 1559 shall be equal or greater than 96% of the density determined on production material for that days work.

5.5 PREPARATION FOR BITUMINOUS WEARING COURSE

5.5.1 All surfaces shall be cleaned of dust and other unsuitable materials by use of hand broom, power and air compressor before applying tack coat.

5.5.2 The tack coat (RC-250) shall be applied on paved surface at maximum rate of 0.25 liters per square meter or as directed by CLIENT's representative. The tack coat shall be uniformly applied over the entire surface of the area to be covered. Tack coat shall not be placed during rainy weather, or when the moisture on the surface to be paved would prevent proper bond. If application of the surface course is delayed by more than three days, or if dirt, sand or other impurities have contaminated the tack coat, then a new tack coat shall be applied after the original one has been swept clean.

5.5.3 The tack coat shall also be applied to kerbs or other concrete surfaces, manhole cover, and gully grating frames, and any other surface where the bituminous wearing course will be in contact.

Procedure No: QP 07. 01 B	Title: PROCESS CONTROL ASPHALTING WORKS	REV. 0	Page 6 of 7

5.6 LAYING OF BITUMINOUS WEARING COURSE

5.6.1 Asphalt Mix

The asphalt mix shall have a temperature between 139 to 163 Degree C when it leaves the plant.

5.6.2 Placing the Mix

Placing the mix shall be done primarily by machine. Inaccessible areas shall be placed manually.

Asphalt crew surveyor shall fix a string line at an offset of 30 cm from edge of the asphalt to guide the paver. Width of the cover shall be made enabling to cover half of the road in one pass.

Asphalt concrete material shall have a temperature between 139 to 163 degree C and shall be unloaded at a temperature of 139 degree C.

5.6.3Compacting the Mix

Breakdown rolling shall be done by a steel drum
roller making two (2) complete passes with vibration.

Compaction of the asphalt concrete material shall be done with a small steel drum roller making six (6) complete passes.

Finish rolling shall be done with steel drum roller
making two (2) passes with low vibration.

5.6.5 Tolerance

Surface Tolerance: The surface will be tested with a four
(4) meter straightedge at selected locations. The variation of the surface from the testing edge of the straightedge between any two (2) contacts with the surface shall at no point exceed four (4) millimeters when placed on or parallel to the centerline or three (3) millimeters when placed perpendicular to the centerline of the roadway. All humps and depressions exceeding the specified tolerances shall be corrected by removing the defective work and replacing it with new material as directed by the Client/Representative.

tolerance in Thickness: Measurement of any core shall not be deficient by more than 10mm or fifteen (15) percent of the design thickness whichever is less.

5.6 Joints

Care shall be taken to prevent any cold joint. If any cold joint occurs then the edge could be cut using asphalt cutter to form a vertical edge. RC-2 shall be applied on the surface for bonding purpose.

6.0 DOCUMENTATION AND RECORDS

Inspection and Test Plan. # ITP-C-ACP-5
Inspection and Test Records
RFI

Procedure No: QP 07. 01 A	Title: **PROCESS CONTROL** **EARTH WORKS**	REV. 0	Page 2 of 3

Excavation shall be carried out to the grade level and profiles shown on the contract drawing or to such other line level and profiles as the Client/Representative may direct or approved.

Material to be excavated are not specifically classified and the work shall include excavation of all types of soil and rock, whether water bearing or not up to the line indicated.

Excavated material suitable for fill shall be transported to and placed in fill areas within the limit of work acceptable by the client/representative.

Any excavation shall be protected so that the soil of adjoining area will not cave in or settle down. Sufficient shoring shall be provided wherever necessary.

Excavated material unsuitable for fill shall be hauled away and dumped in the areas designated by Client / Representative.

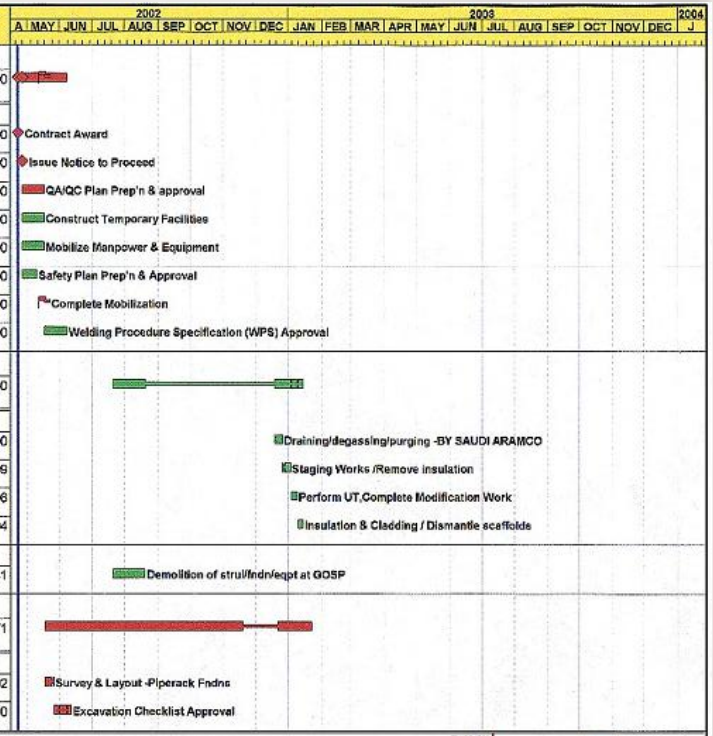
Finished excavation in all permanent areas must be free of debris, vegetation and loose materials and inorganic materials.

8.4 Projects Controls Procedures

Note: Projects Controls Procedures & Sample Reports will be available on request

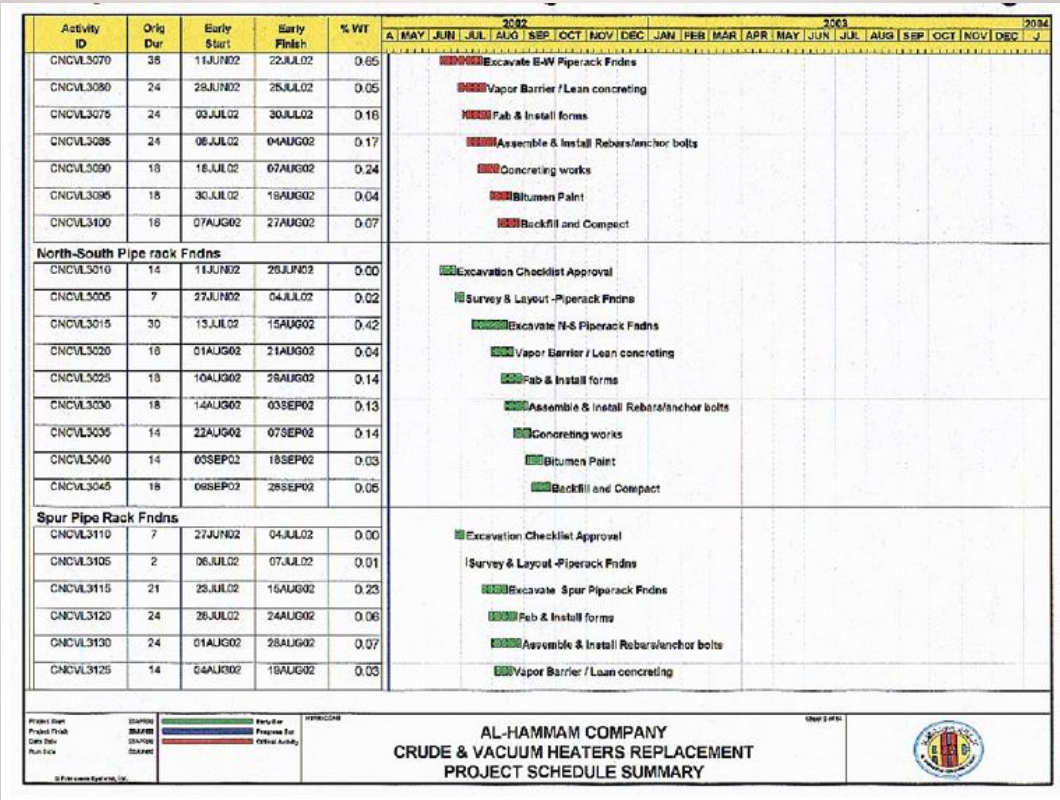
8.4 – Aramco Accepted Sample

Activity ID	Orig Dur	Early Start	Early Finish	% WT
Contract Award & Mobilization				
Subtotal	46	23APR02	07JUN02	0.00
Mobilization				
CNMOB100	0	23APR02*		0.00
CNMOB105	0	27APR02*		0.00
CNMOB110	21	27APR02	17MAY02	0.00
CNMOB120	21	27APR02	17MAY02	0.00
CNMOB125	21	27APR02	17MAY02	0.00
CNMOB115	14	27APR02	10MAY02	0.00
CNMOB130	0		17MAY02	0.00
CNMOB135	21	18MAY02	07JUN02	0.00
Demolish Existing Eqpt & Facilities				
Subtotal	178	21JUL02	14JAN03	0.60
Vacuum Tower R101-V13 Modification				
CNEQP5700	6	19DEC02	25DEC02	0.00
CNEQP5705	7	26DEC02	02JAN03	0.09
CNEQP5710	6	04JAN03	09JAN03	0.08
CNEQP5715	4	11JAN03	14JAN03	0.04
Demolition Works Wiin Hot Oil GOSP Area				
CNEQP5725	30	21JUL02	19AUG02	0.41
Civil Excav/Backfill PipeRack Fndn				
Subtotal	215	18MAY02	22JAN03	4.71
East-West Pipe Rack Fndns				
CNCVL3080	7	18MAY02	25MAY02	0.02
CNCVL3055	14	26MAY02	10JUN02	0.00



Al Hammam Company
شركة ال هـمـام

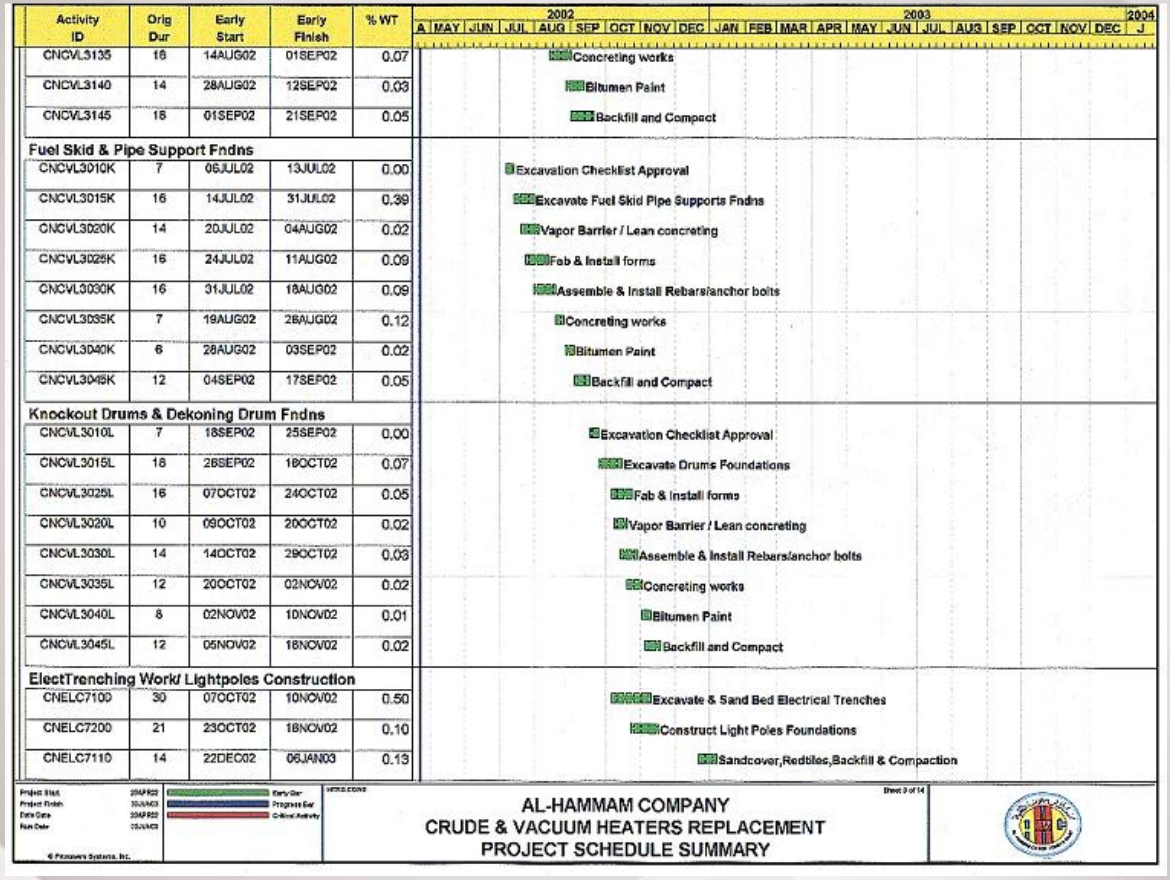
8.4 – Aramco Accepted Sample



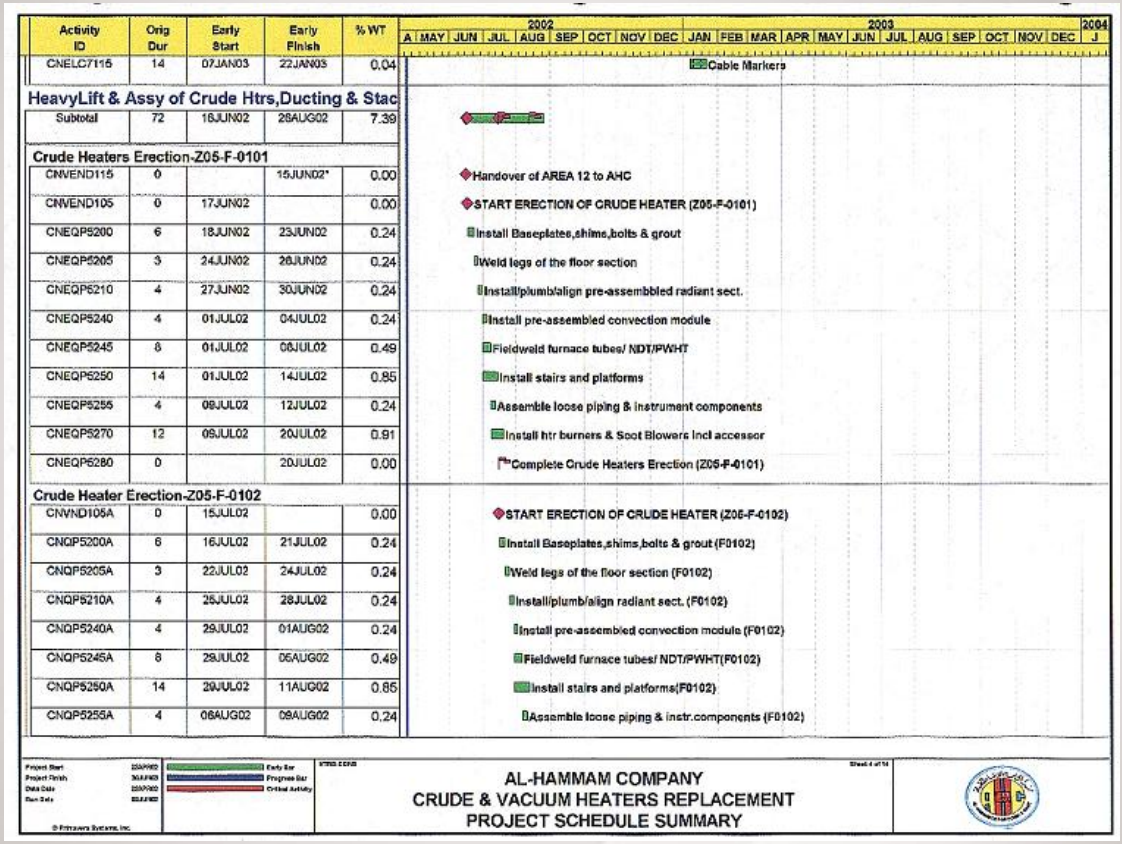
Activity ID	Orig Dur	Early Start	Early Finish	% WT
CNCVL3070	36	11JUN02	22JUL02	0.65
CNCVL3080	24	28JUN02	25JUL02	0.05
CNCVL3075	24	03JUL02	30JUL02	0.16
CNCVL3085	24	06JUL02	04AUG02	0.17
CNCVL3090	18	16JUL02	07AUG02	0.24
CNCVL3095	18	30JUL02	19AUG02	0.04
CNCVL3100	18	07AUG02	27AUG02	0.07
North-South Pipe rack Fndns				
CNCVL3010	14	11JUN02	26JUN02	0.00
CNCVL3005	7	27JUN02	04JUL02	0.02
CNCVL3015	30	13JUL02	15AUG02	0.42
CNCVL3020	18	01AUG02	21AUG02	0.04
CNCVL3025	18	10AUG02	28AUG02	0.14
CNCVL3030	18	14AUG02	03SEP02	0.13
CNCVL3035	14	22AUG02	07SEP02	0.14
CNCVL3040	14	03SEP02	18SEP02	0.03
CNCVL3045	18	06SEP02	26SEP02	0.05
Spur Pipe Rack Fndns				
CNCVL3110	7	27JUN02	04JUL02	0.00
CNCVL3105	2	06JUL02	07JUL02	0.01
CNCVL3115	21	25JUL02	15AUG02	0.23
CNCVL3120	24	26JUL02	24AUG02	0.06
CNCVL3130	24	01AUG02	28AUG02	0.07
CNCVL3125	14	04AUG02	19AUG02	0.03

8.4 – Aramco Accepted Sample

Activity ID	Orig Dur	Early Start	Early Finish	% WT
CNCVL3135	16	14AUG02	01SEP02	0.07
CNCVL3140	14	28AUG02	12SEP02	0.03
CNCVL3145	16	01SEP02	21SEP02	0.05
Fuel Skid & Pipe Support Fndns				
CNCVL3010K	7	06JUL02	13JUL02	0.00
CNCVL3015K	16	14JUL02	31JUL02	0.39
CNCVL3020K	14	20JUL02	04AUG02	0.02
CNCVL3025K	16	24JUL02	11AUG02	0.09
CNCVL3030K	16	31JUL02	18AUG02	0.09
CNCVL3035K	7	19AUG02	26AUG02	0.12
CNCVL3040K	6	28AUG02	03SEP02	0.02
CNCVL3045K	12	04SEP02	17SEP02	0.05
Knockout Drums & Dekoning Drum Fndns				
CNCVL3010L	7	18SEP02	25SEP02	0.00
CNCVL3015L	18	26SEP02	18OCT02	0.07
CNCVL3025L	16	07OCT02	24OCT02	0.05
CNCVL3020L	10	09OCT02	20OCT02	0.02
CNCVL3030L	14	14OCT02	29OCT02	0.03
CNCVL3035L	12	20OCT02	02NOV02	0.02
CNCVL3040L	8	02NOV02	10NOV02	0.01
CNCVL3045L	12	05NOV02	18NOV02	0.02
ElectTrenching Work/ Lightpoles Construction				
CNELC7100	30	07OCT02	10NOV02	0.50
CNELC7200	21	23OCT02	18NOV02	0.10
CNELC7110	14	22DEC02	06JAN03	0.13

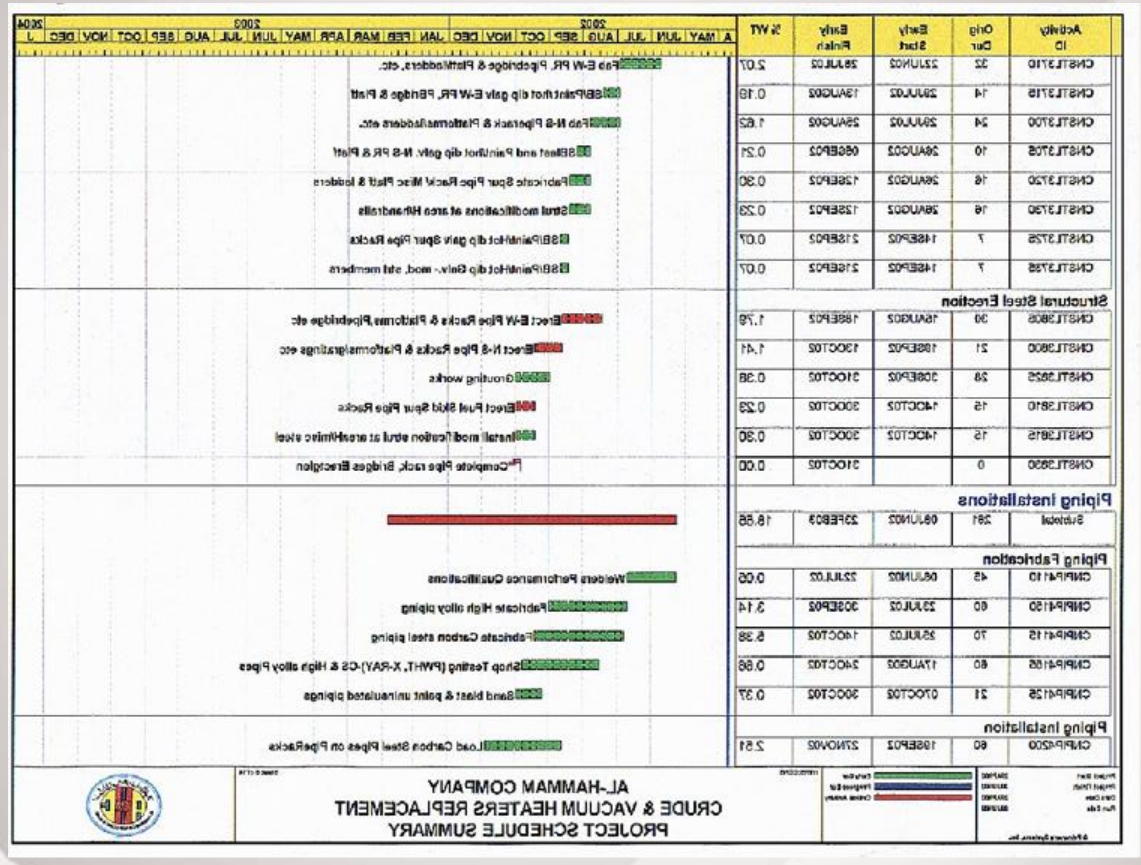


8.4 – Aramco Accepted Sample

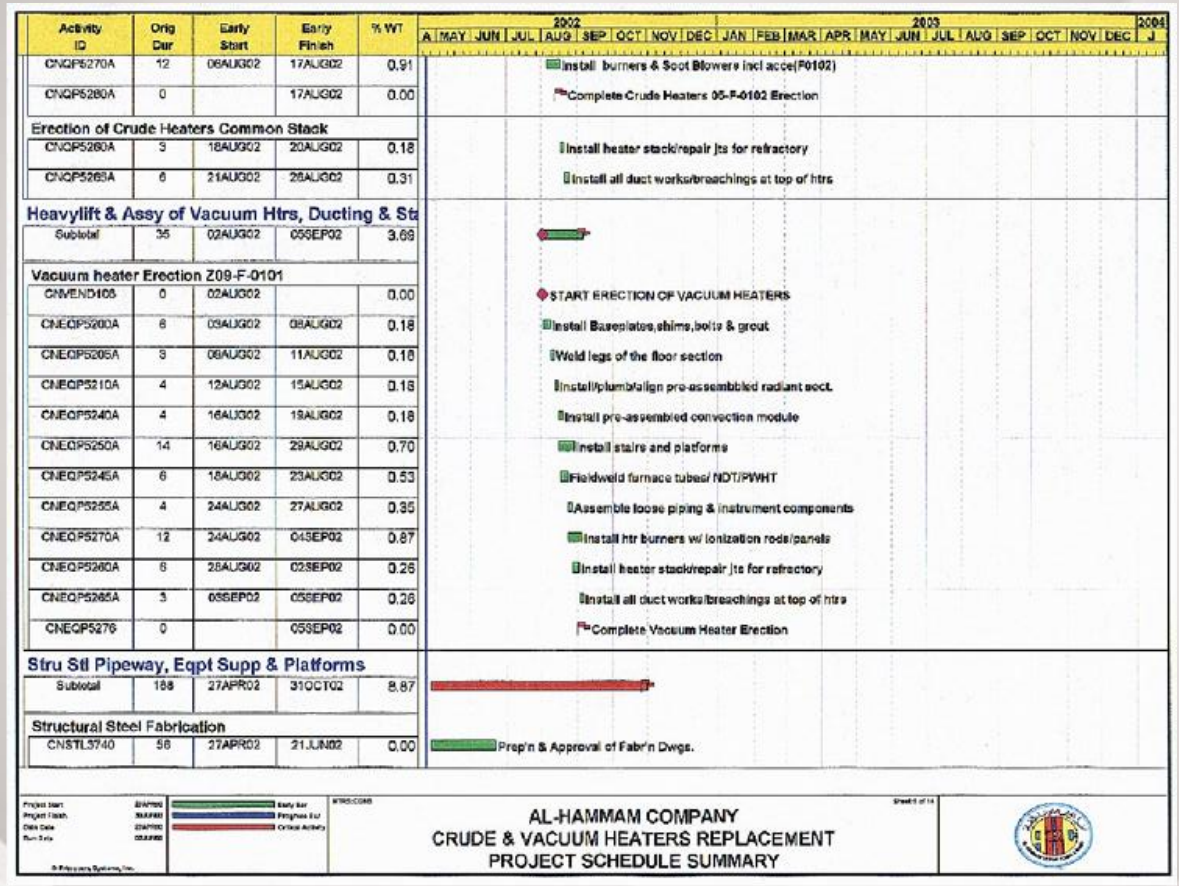


Activity ID	Orig Dur	Early Start	Early Finish	% WT
CNELC7115	14	07JAN03	22JAN03	0.04
HeavyLift & Assy of Crude Htrs,Ducting & Stac				
Subtotal	72	18JUN02	26AUG02	7.39
Crude Heaters Erection-Z05-F-0101				
CNVEND115	0		15JUN02*	0.00
CNVEND105	0	17JUN02		0.00
CNEQP5200	6	18JUN02	25JUN02	0.24
CNEQP5205	3	24JUN02	26JUN02	0.24
CNEQP5210	4	27JUN02	30JUN02	0.24
CNEQP5240	4	01JUL02	04JUL02	0.24
CNEQP5245	8	01JUL02	08JUL02	0.49
CNEQP5250	14	01JUL02	14JUL02	0.85
CNEQP5255	4	09JUL02	12JUL02	0.24
CNEQP5270	12	09JUL02	20JUL02	0.91
CNEQP5280	0		20JUL02	0.00
Crude Heater Erection-Z05-F-0102				
CNVND105A	0	15JUL02		0.00
CNQP5200A	6	16JUL02	21JUL02	0.24
CNQP5205A	3	22JUL02	24JUL02	0.24
CNQP5210A	4	25JUL02	28JUL02	0.24
CNQP5240A	4	29JUL02	01AUG02	0.24
CNQP5245A	8	29JUL02	05AUG02	0.49
CNQP5250A	14	29JUL02	11AUG02	0.85
CNQP5255A	4	06AUG02	09AUG02	0.24

8.4 – Aramco Accepted Sample



8.4 – Aramco Accepted Sample



Activity ID	Orig Dur	Early Start	Early Finish	% WT
CNQP5270A	12	06AUG02	17AUG02	0.91
CNQP5280A	0		17AUG02	0.00
Erection of Crude Heaters Common Stack				
CNQP5260A	3	18AUG02	20AUG02	0.18
CNQP5265A	6	21AUG02	28AUG02	0.31
Heavylift & Assy of Vacuum Htrs, Ducting & St				
Subtotal	35	02AUG02	05SEP02	3.69
Vacuum heater Erection Z09-F-0101				
CNVEND105	0	02AUG02		0.00
CNEQP5200A	6	09AUG02	08AUG02	0.18
CNEQP5205A	3	06AUG02	11AUG02	0.18
CNEQP5210A	4	12AUG02	15AUG02	0.18
CNEQP5240A	4	16AUG02	19AUG02	0.18
CNEQP5250A	14	16AUG02	29AUG02	0.70
CNEQP5245A	6	18AUG02	23AUG02	0.53
CNEQP5255A	4	24AUG02	27AUG02	0.35
CNEQP5270A	12	24AUG02	04SEP02	0.87
CNEQP5260A	6	28AUG02	02SEP02	0.26
CNEQP5265A	3	03SEP02	05SEP02	0.26
CNEQP5276	0		05SEP02	0.00
Stru Stl Pipeway, Eqpt Supp & Platforms				
Subtotal	188	27APR02	31OCT02	8.87
Structural Steel Fabrication				
CNSTL3740	56	27APR02	21JUN02	0.00

2002 | 2003 | 2004

A MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC J

Install burners & Soot Blowers incl acce(F0102)

Complete Crude Heaters 05-F-0102 Erection

Install heater stack/repair jts for refractory

Install all duct works/breachings at top of htrs

START ERECTION OF VACUUM HEATERS

Install Baseplates,shims,bolts & grout

Weld legs of the floor section

Install/plumb/align pre-assembled radiant sect.

Install pre-assembled convection module

Install stairs and platforms

Fieldweld furnace tubes/ NDT/PWHT

Assemble loose piping & instrument components

Install htr burners w/ ionization rods/panels

Install heater stack/repair jts for refractory

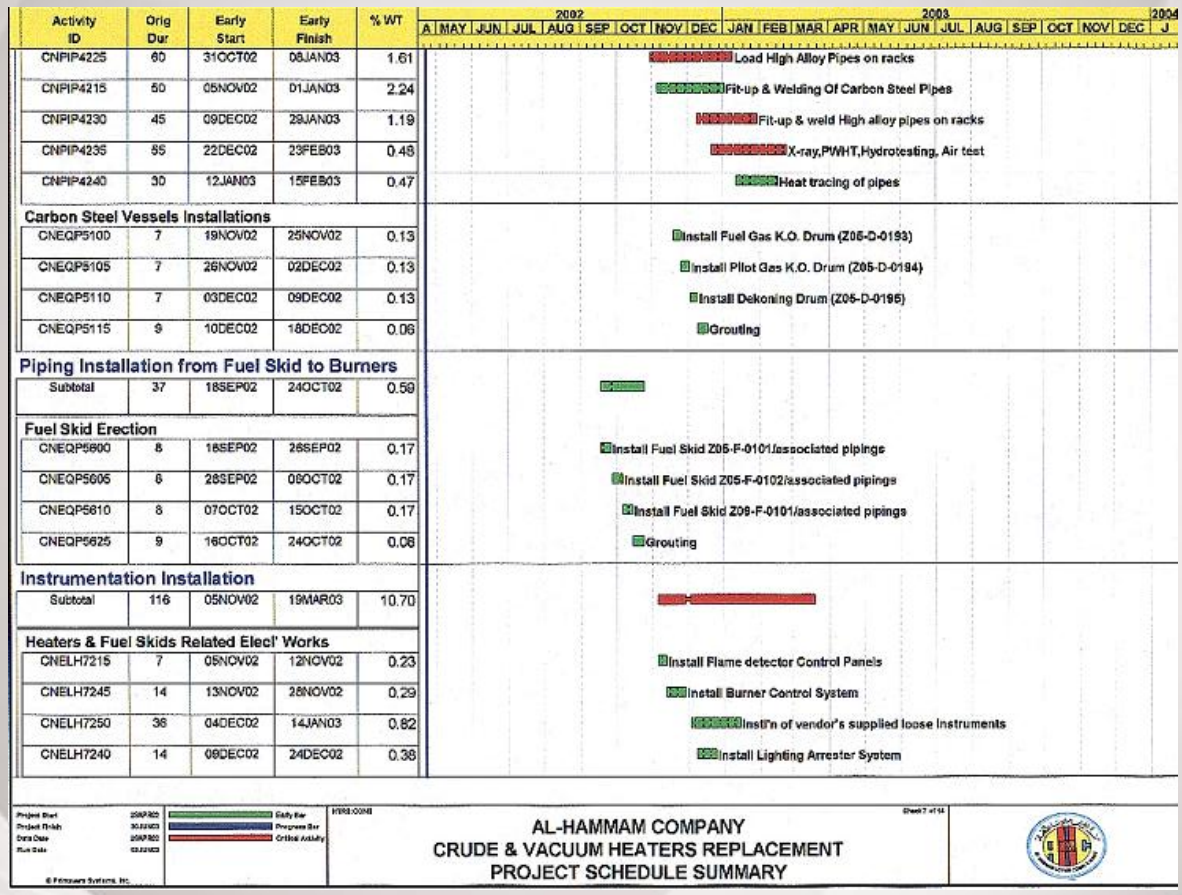
Install all duct works/breachings at top of htrs

Complete Vacuum Heater Erection

Prep'n & Approval of Fabr'n Dwgs.

AL-HAMMAM COMPANY
CRUDE & VACUUM HEATERS REPLACEMENT
PROJECT SCHEDULE SUMMARY

8.4 – Aramco Accepted Sample



Activity ID	Orig Dur	Early Start	Early Finish	% WT
CNPIP4225	60	31OCT02	08JAN03	1.61
CNPIP4215	50	05NOV02	01JAN03	2.24
CNPIP4230	45	09DEC02	29JAN03	1.19
CNPIP4235	55	22DEC02	23FEB03	0.48
CNPIP4240	30	12JAN03	15FEB03	0.47
Carbon Steel Vessels Installations				
CNEQP5100	7	19NOV02	25NOV02	0.13
CNEQP5105	7	26NOV02	02DEC02	0.13
CNEQP5110	7	03DEC02	09DEC02	0.13
CNEQP5115	9	10DEC02	18DEC02	0.06
Piping Installation from Fuel Skid to Burners				
Subtotal	37	18SEP02	24OCT02	0.59
Fuel Skid Erection				
CNEQP5600	8	18SEP02	26SEP02	0.17
CNEQP5605	8	26SEP02	09OCT02	0.17
CNEQP5610	8	07OCT02	15OCT02	0.17
CNEQP5625	9	16OCT02	24OCT02	0.08
Instrumentation Installation				
Subtotal	116	05NOV02	19MAR03	10.70
Heaters & Fuel Skids Related Elecl' Works				
CNELH7215	7	05NOV02	12NOV02	0.23
CNELH7245	14	13NOV02	28NOV02	0.29
CNELH7250	36	04DEC02	14JAN03	0.82
CNELH7240	14	09DEC02	24DEC02	0.38

2002 2003 2004

A MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC J

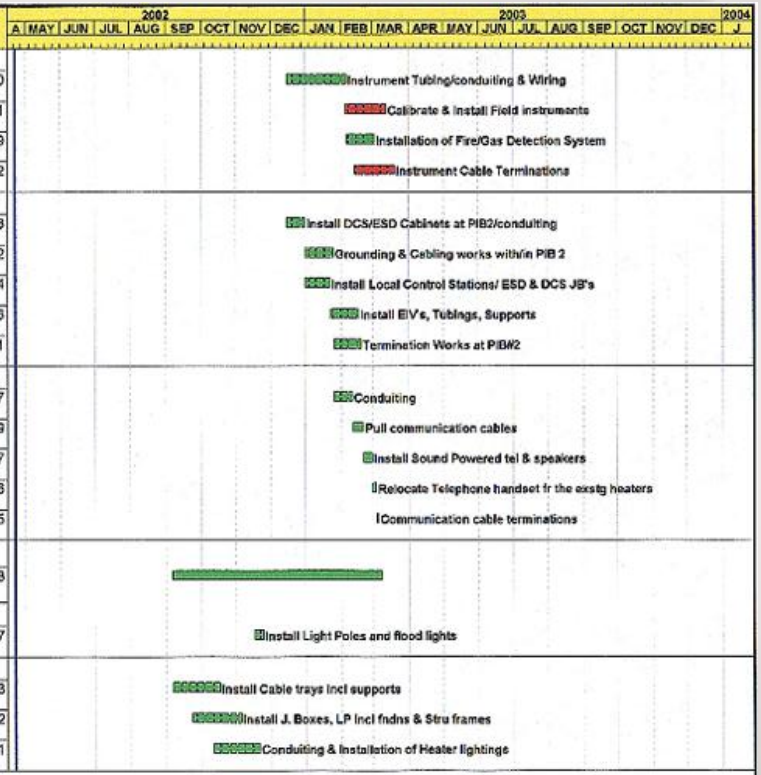
Load High Alloy Pipes on racks
Fit-up & Welding Of Carbon Steel Pipes
Fit-up & weld High alloy pipes on racks
X-ray,PWHT,Hydrotesting, Air test
Heat tracing of pipes
Install Fuel Gas K.O. Drum (Z05-D-0193)
Install Pilot Gas K.O. Drum (Z05-D-0194)
Install Dekoning Drum (Z05-D-0195)
Grouting
Install Fuel Skid Z05-F-0101/associated pipings
Install Fuel Skid Z05-F-0102/associated pipings
Install Fuel Skid Z09-F-0101/associated pipings
Grouting
Install Flame detector Control Panels
Install Burner Control System
Instl'n of vendor's supplied loose Instruments
Install Lighting Arrester System

Early Bar
Progress Bar
Critical Activity

AL-HAMMAM COMPANY
CRUDE & VACUUM HEATERS REPLACEMENT
PROJECT SCHEDULE SUMMARY

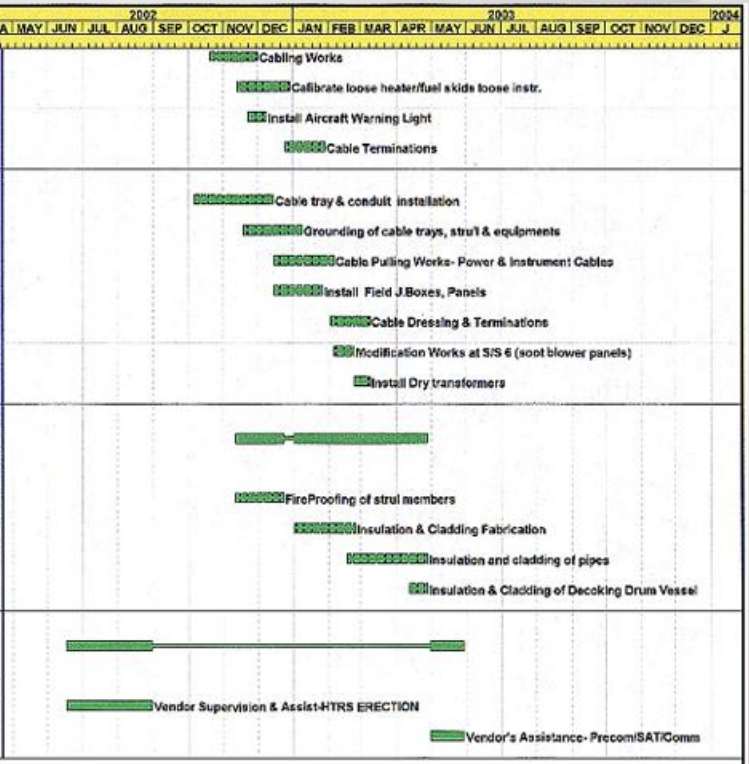
8.4 – Aramco Accepted Sample

Activity ID	Orig Dur	Early Start	Early Finish	% WT
General Instrumentation Works				
CNELC7160	45	16DEC02	05FEB03	2.00
CNELC7155	30	05FEB03	11MAR03	1.91
CNELC7165	21	06FEB03	02MAR03	0.29
CNELC7165	30	13FEB03	19MAR03	1.02
DCS & ESD Related Works				
CNELC7400	14	16DEC02	31DEC02	0.59
CNELC7410	21	01JAN03	25JAN03	0.42
CNELC7430	16	01JAN03	21JAN03	0.64
CNELC7420	21	22JAN03	15FEB03	1.16
CNELC7415	21	26JAN03	18FEB03	1.01
Communication System				
CNELC7180	14	26JAN03	10FEB03	0.07
CNELC7195	10	11FEB03	20FEB03	0.09
CNELC7210	7	21FEB03	27FEB03	0.07
CNELC7190	4	28FEB03	03MAR03	0.08
CNELC7215	2	04MAR03	05MAR03	0.05
Electrical Installation				
Subtotal	157	07SEP02	08MAR03	3.68
ElectTrenching Work/ Lightpoles Construction				
CNELC7205	7	17NOV02	24NOV02	0.07
Heaters & Fuel Skids Related Elecl' Works				
CNELH7205	36	07SEP02	17OCT02	0.33
CNELH7225	36	24SEP02	04NOV02	0.32
CNELH7210	36	12OCT02	21NOV02	0.21



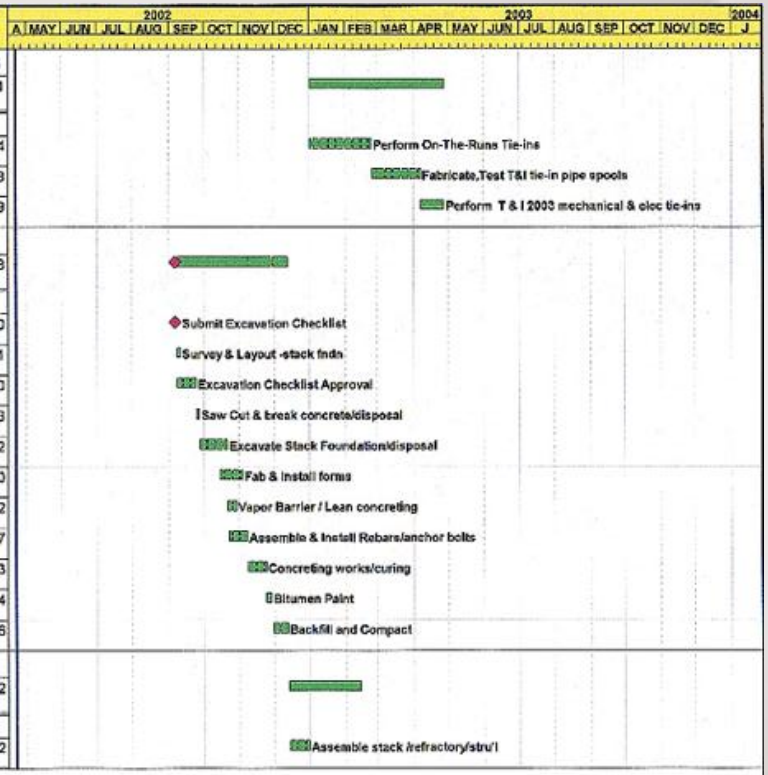
8.4 – Aramco Accepted Sample

Activity ID	Orig Dur	Early Start	Early Finish	% WT
CNELH7230	36	20OCT02	30NOV02	0.26
CNELH7256	40	13NOV02	29DEC02	0.26
CNELH7220	14	23NOV02	06DEC02	0.11
CNELH7235	30	25DEC02	28JAN03	0.28
General Electrical Works				
CNELC7305	60	07OCT02	16DEC02	0.53
CNELC7130	45	18NOV02	09JAN03	0.25
CNELC7105	45	16DEC02	05FEB03	0.63
CNELC7120	36	16DEC02	28JAN03	0.17
CNELC7125	30	02FEB03	08MAR03	0.17
CNELC7170	14	06FEB03	22FEB03	0.05
CNELC7175	12	23FEB03	08MAR03	0.04
Insulation & Fire Proofing				
Subtotal	143	12NOV02	27APR03	15.36
Insulation,Cladding & Fireproofing Works				
CNSTL3820	36	12NOV02	23DEC02	2.13
CNPIP4600	45	02JAN03	23FEB03	6.25
CNPIP4604	60	17FEB03	27APR03	6.25
CNPIP4605	14	12APR03	27APR03	0.75
ABB-Lummus Sup-Vendor Assistance				
Subtotal	347	17JUN02	29MAY03	5.91
ABB Lummus Sup-Vendor Assistance				
CNVEND110	75	17JUN02	30AUG02	4.22
CNVEND120	30	30APR03	29MAY03	1.69

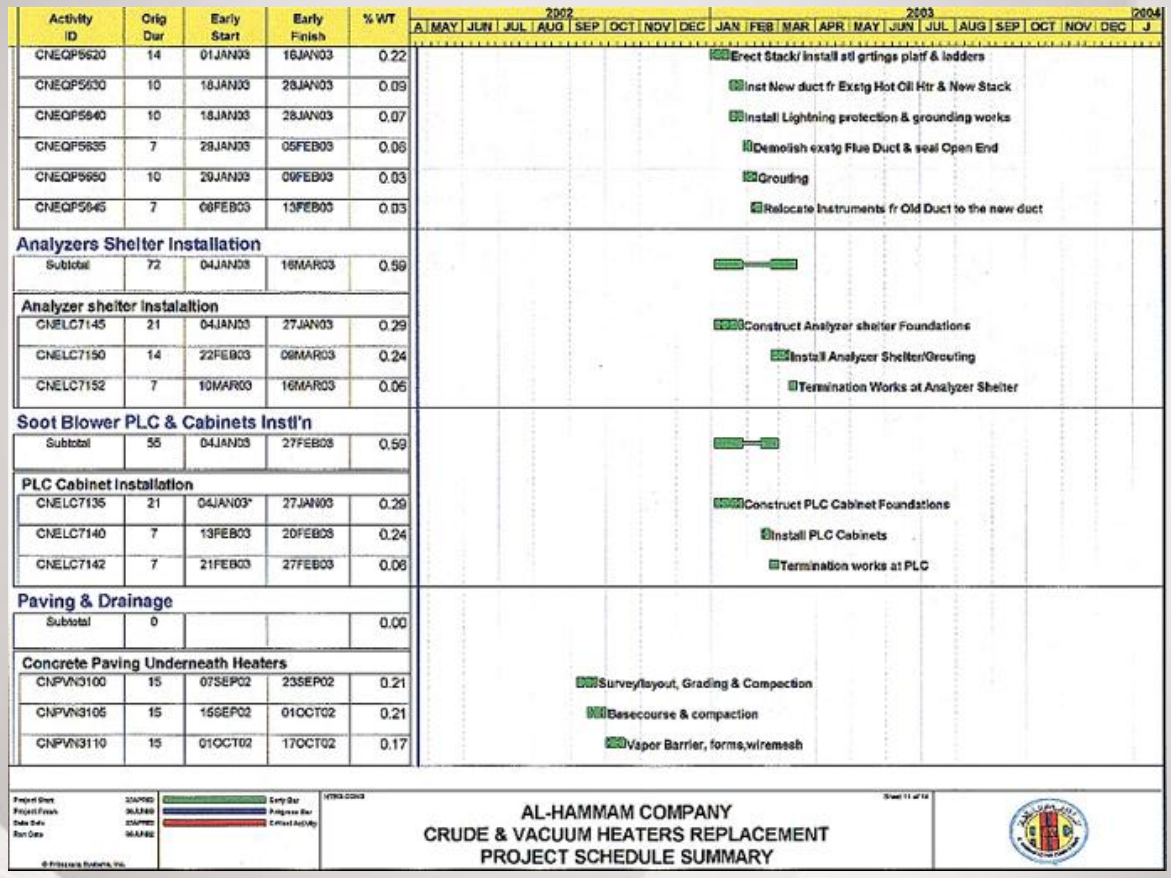


8.4 – Aramco Accepted Sample

Activity ID	Orig Dur	Early Start	Early Finish	% WT
Shutdwn & Cutover Piping, Elec,Instr'n & DCS				
Subtotal	116	02JAN03	27APR03	3.61
Tie-in Shutdown works				
CNPIP4710	45	02JAN03	23FEB03	1.54
CNPIP4715	36	24FEB03	08APR03	0.69
CNPIP4705	21	07APR03	27APR03	1.39
Hot Oil Stack Area"I" Fndn Const'n				
Subtotal	97	07SEP02	12DEC02	1.28
Hot Oil Stack Foundation				
CNCVL3001M	0	07SEP02*		0.00
CNCVL3005M	3	09SEP02	11SEP02	0.01
CNCVL3010M	14	09SEP02	24SEP02	0.00
CNCVL3012M	3	25SEP02	27SEP02	0.03
CNCVL3015M	21	28SEP02	21OCT02	0.52
CNCVL3025M	16	16OCT02	03NOV02	0.20
CNCVL3020M	7	22OCT02	29OCT02	0.02
CNCVL3030M	14	23OCT02	07NOV02	0.17
CNCVL3035M	14	09NOV02	24NOV02	0.23
CNCVL3040M	4	25NOV02	28NOV02	0.04
CNCVL3045M	12	30NOV02	12DEC02	0.06
Hot Oil Stack Area"I" Erection				
Subtotal	54	14DEC02	13FEB03	0.72
Erection of Hot Oil Stack (Z88-F-0101)				
CNEQP5615	16	14DEC02	31DEC02	0.22

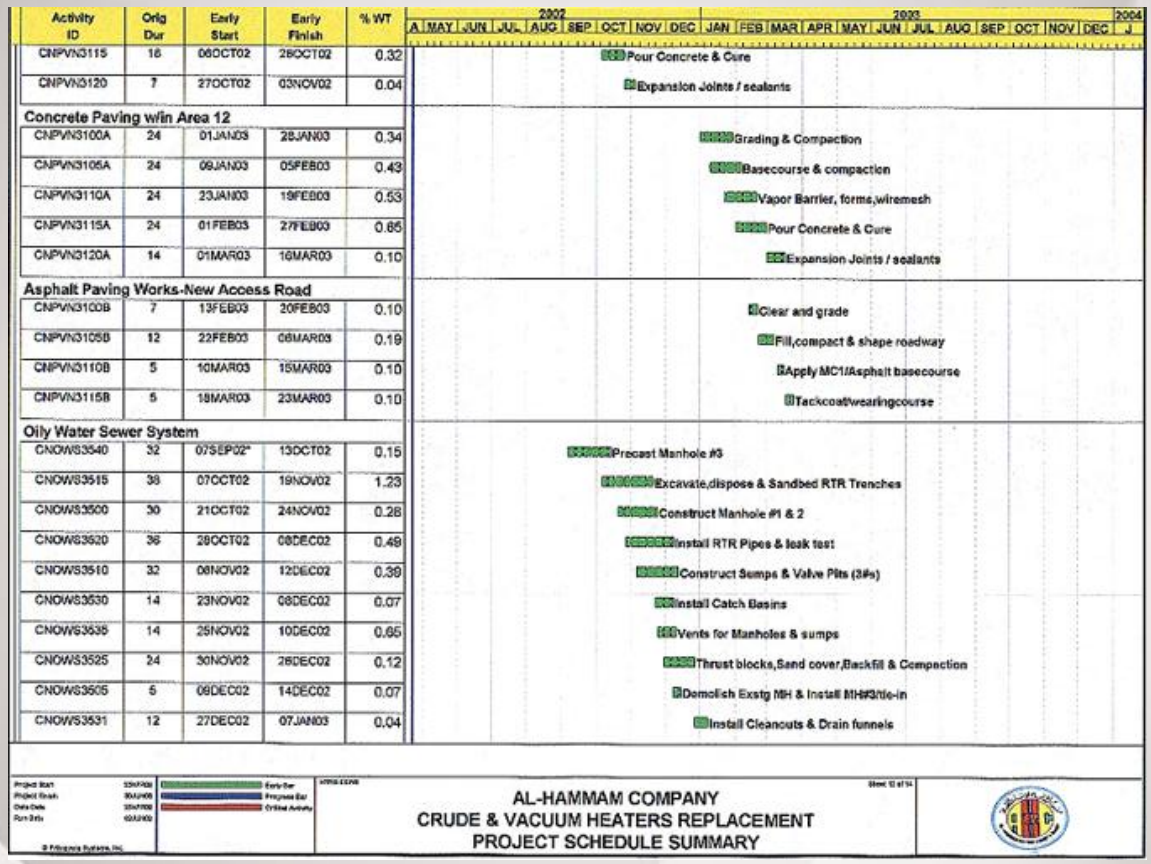


8.4 – Aramco Accepted Sample



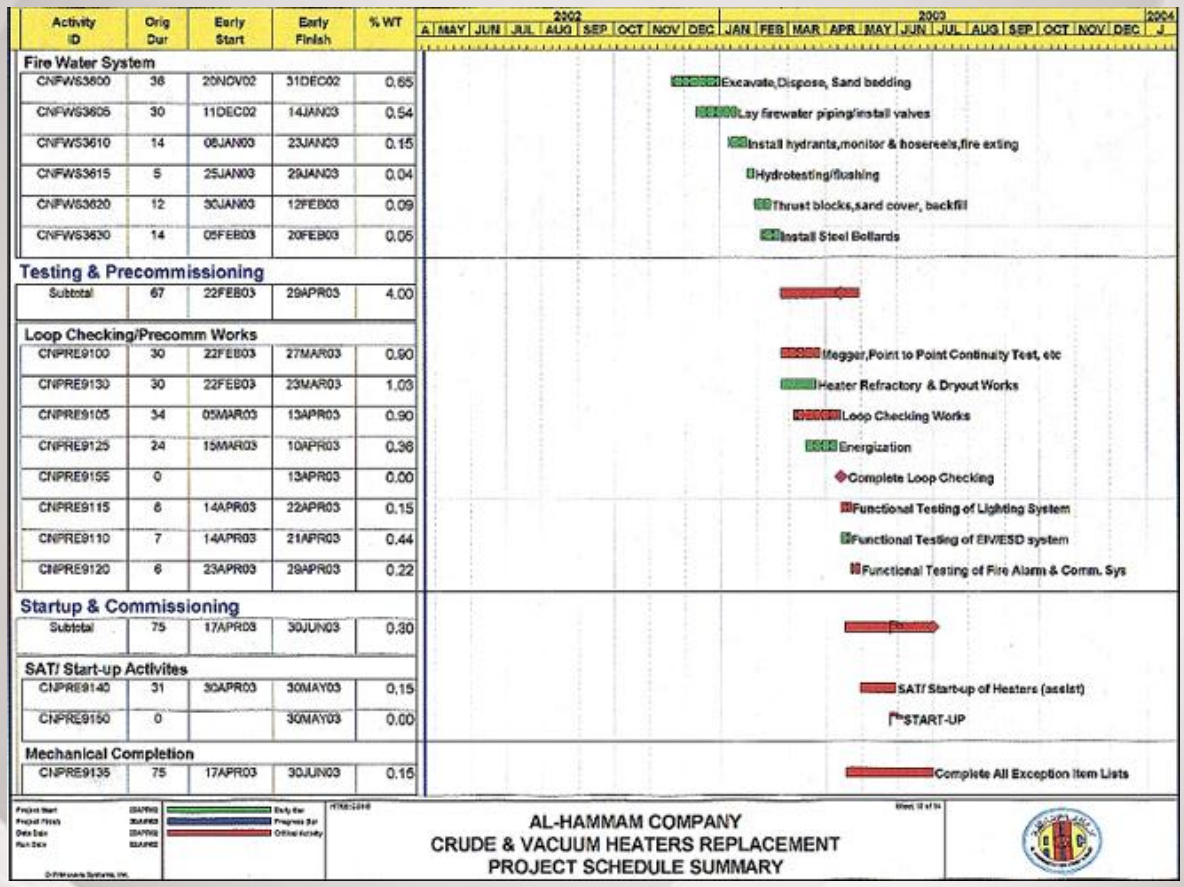
Activity ID	Orig Dur	Early Start	Early Finish	% WT
CNEQP5620	14	01JAN03	16JAN03	0.22
CNEQP5630	10	18JAN03	28JAN03	0.09
CNEQP5640	10	18JAN03	28JAN03	0.07
CNEQP5635	7	29JAN03	05FEB03	0.06
CNEQP5650	10	29JAN03	09FEB03	0.03
CNEQP5645	7	06FEB03	13FEB03	0.03
Analyzers Shelter Installation				
Subtotal	72	04JAN03	16MAR03	0.59
Analyzer shelter Instalaltion				
CNELC7145	21	04JAN03	27JAN03	0.29
CNELC7150	14	22FEB03	09MAR03	0.24
CNELC7152	7	10MAR03	16MAR03	0.06
Soot Blower PLC & Cabinets Instl'n				
Subtotal	55	04JAN03	27FEB03	0.59
PLC Cabinet Installation				
CNELC7135	21	04JAN03*	27JAN03	0.29
CNELC7140	7	13FEB03	20FEB03	0.24
CNELC7142	7	21FEB03	27FEB03	0.06
Paving & Drainage				
Subtotal	0			0.00
Concrete Paving Underneath Heaters				
CNPVN3100	15	07SEP02	23SEP02	0.21
CNPVN3105	15	16SEP02	01OCT02	0.21
CNPVN3110	15	01OCT02	17OCT02	0.17

8.4 – Aramco Accepted Sample



Activity ID	Orig Dur	Early Start	Early Finish	% WT
CNPVN3115	16	08OCT02	28OCT02	0.32
CNPVN3120	7	27OCT02	03NOV02	0.04
Concrete Paving w/in Area 12				
CNPVN3100A	24	01JAN03	28JAN03	0.34
CNPVN3105A	24	09JAN03	05FEB03	0.43
CNPVN3110A	24	23JAN03	19FEB03	0.53
CNPVN3115A	24	01FEB03	27FEB03	0.65
CNPVN3120A	14	01MAR03	16MAR03	0.10
Asphalt Paving Works-New Access Road				
CNPVN3100B	7	13FEB03	20FEB03	0.10
CNPVN3105B	12	22FEB03	06MAR03	0.19
CNPVN3110B	5	10MAR03	15MAR03	0.10
CNPVN3115B	5	18MAR03	23MAR03	0.10
Oily Water Sewer System				
CNOWS3540	32	07SEP02*	13OCT02	0.15
CNOWS3515	38	07OCT02	19NOV02	1.23
CNOWS3500	30	21OCT02	24NOV02	0.28
CNOWS3520	36	28OCT02	06DEC02	0.49
CNOWS3510	32	08NOV02	12DEC02	0.39
CNOWS3530	14	23NOV02	06DEC02	0.07
CNOWS3535	14	25NOV02	10DEC02	0.65
CNOWS3525	24	30NOV02	26DEC02	0.12
CNOWS3505	5	09DEC02	14DEC02	0.07
CNOWS3531	12	27DEC02	07JAN03	0.04

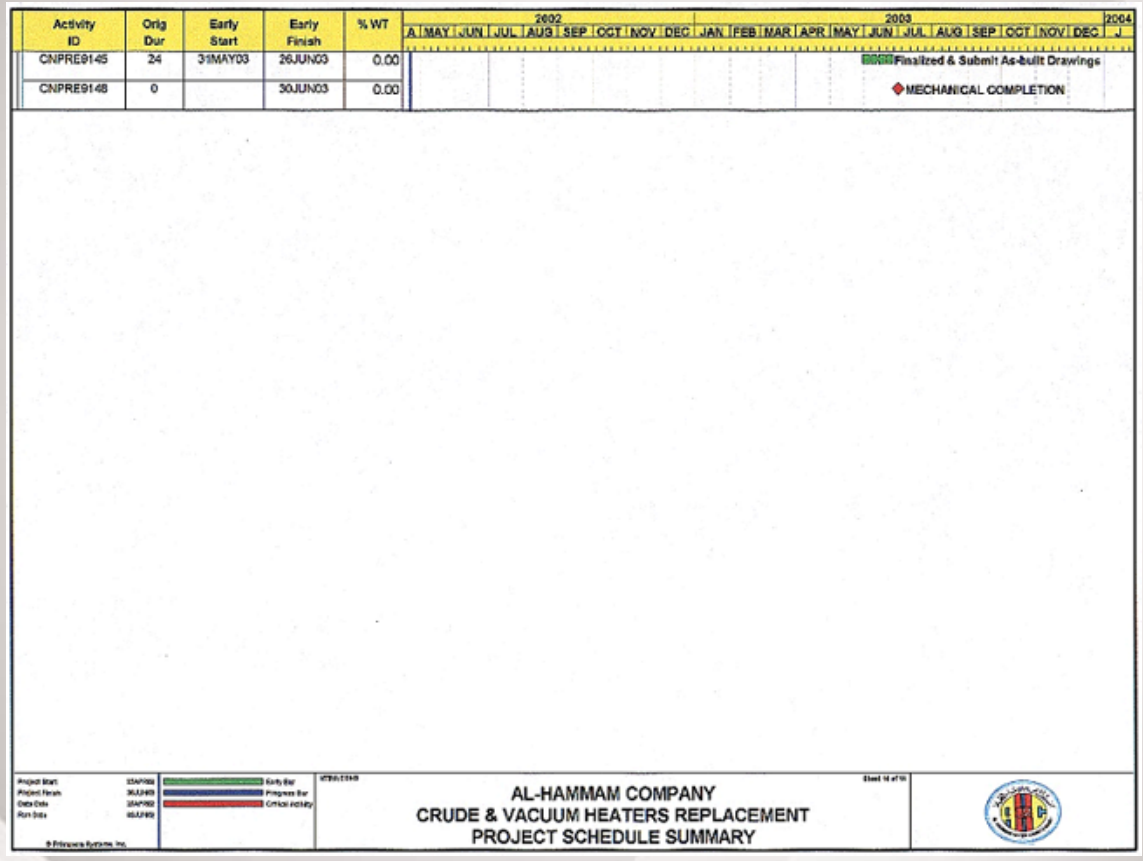
8.4 – Aramco Accepted Sample



Activity ID	Orig Dur	Early Start	Early Finish	% WT
Fire Water System				
CNFWS3600	36	20NOV02	31DEC02	0.65
CNFWS3605	30	11DEC02	14JAN03	0.54
CNFWS3610	14	08JAN03	23JAN03	0.15
CNFWS3615	5	25JAN03	29JAN03	0.04
CNFWS3620	12	30JAN03	12FEB03	0.09
CNFWS3630	14	05FEB03	20FEB03	0.05
Testing & Precommissioning				
Subtotal	67	22FEB03	29APR03	4.00
Loop Checking/Precomm Works				
CNPRE9100	30	22FEB03	27MAR03	0.90
CNPRE9130	30	22FEB03	23MAR03	1.03
CNPRE9105	34	05MAR03	13APR03	0.90
CNPRE9125	24	15MAR03	10APR03	0.36
CNPRE9155	0		13APR03	0.00
CNPRE9115	6	14APR03	22APR03	0.15
CNPRE9110	7	14APR03	21APR03	0.44
CNPRE9120	6	23APR03	29APR03	0.22
Startup & Commissioning				
Subtotal	75	17APR03	30JUN03	0.30
SAT/ Start-up Activites				
CNPRE9140	31	30APR03	30MAY03	0.15
CNPRE9150	0		30MAY03	0.00
Mechanical Completion				
CNPRE9135	75	17APR03	30JUN03	0.15

AL-HAMMAM COMPANY
CRUDE & VACUUM HEATERS REPLACEMENT
PROJECT SCHEDULE SUMMARY

8.4 – Aramco Accepted Sample



PROCUREMENT DEPARTMENT

9.1 Procurement Department Overview

The Procurement Department employs specialist engineers who have the knowledge and past experience required to ensure that all specifications and client procedures are met from the time of ordering through the factory acceptance test and finally to the point of receiving the goods at the local port. The combination of qualified personnel supported with the latest technology, an automated procurement software package known as iBiS (Integrated Business Information Systems), allows us to monitor, track, report on a regular basis, update and review all pertinent information concerning any local or international procurement item.

We have successfully procured materials on behalf of most major clients in-Kingdom including Saudi Aramco, SCECO, Royal Commission and SABIC. We have established our own standards, as well as incorporated our client's standards to ensure that the procurement process is consistently completed in a timely manner and as per the required contract specifications.

When procuring any materials, we ensure that the following minimum requirements are met:

1. Procurement Manual & Execution Plan is approved by the client
2. Material Status Report- submitted to the customer on a regular basis
3. Request for Information (RFI)- incorporates all necessary specifications
4. Material Request for Quotation (RFQ)- must meet the minimum specifications
5. Packing/Unpacking Instructions- check list developed and followed
6. Factory Acceptance Test Procedures- developed and approved by client
7. Factory Acceptance Test- witnessed by Senior Project Management Rep.
8. Shipping Procedures- Duty/Tax Exemption procedures are adhered to;
9. Material Storage & Handling- approved procedures are implemented

We have been requested by some of our customers to handle their storage and handling for various materials and equipment. Currently, we are managing the Riyadh Refinery warehouses on behalf of Saudi Aramco. We have developed and continue to implement all required procedures to ensure against loss, damage and or theft of all items stored.

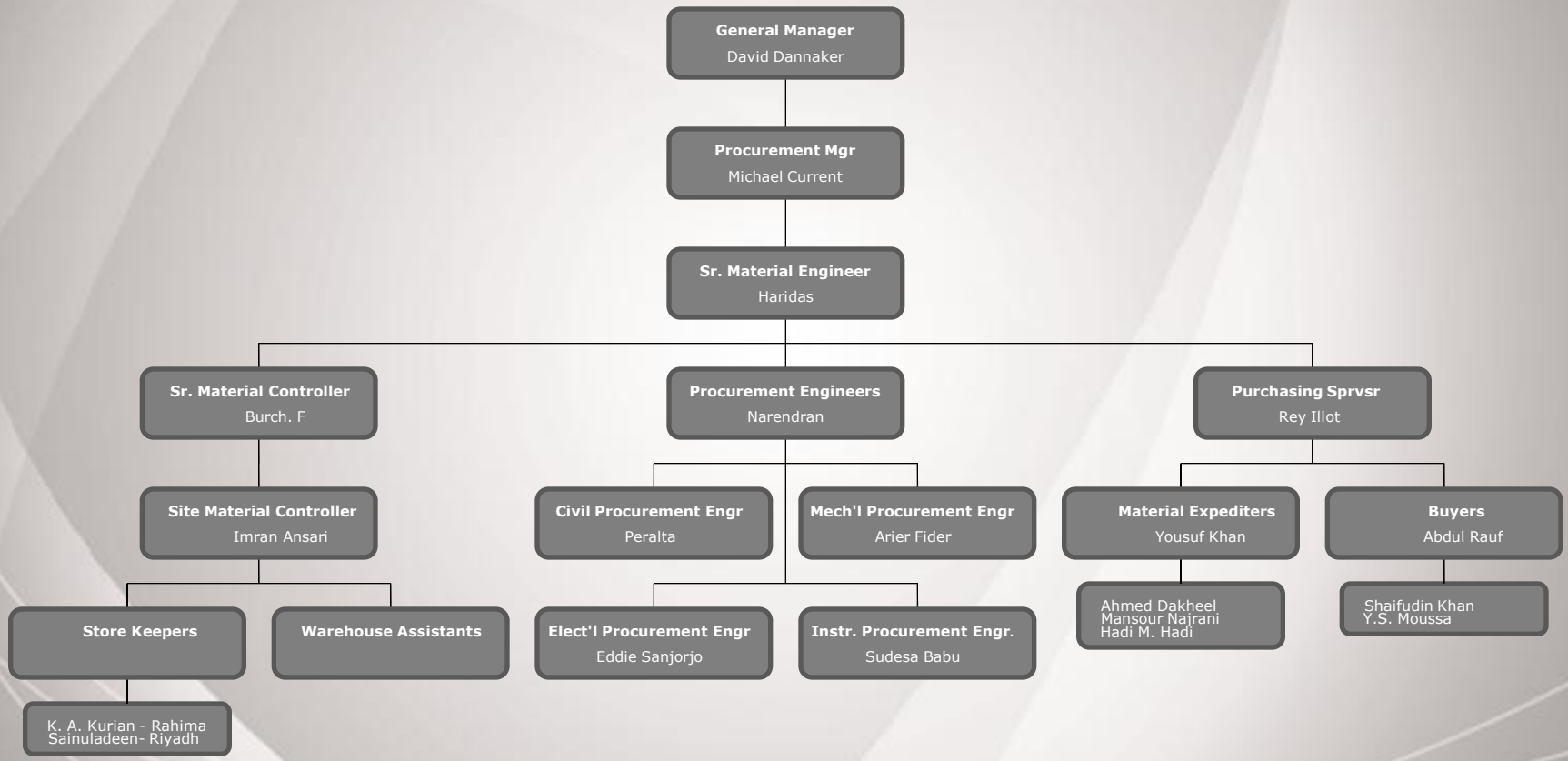
Intentionally Left Blank
For 9.2

Intentionally Left Blank
For 9.2

Al-Hammam Group of Companies Capabilities														
Products Description		1	2	3	4	5	6	7	8	9	10	11	12	13
	Boilers													
	Bricks													
	Burner Blocks													
	Castables & Casting Products													
	Ceramic Products													
	Chains													
	Specialty Chemical, Acids & Laboratory													
	conveyor Belts													
	Coolers													
	cutting Tools & Blades													
	Cyclone Pre-Heater													
	Electrical items													
	Expansion Joints/Bellows													
	Fasteners													
	Ferrous & Non-Ferrous Products													
	Flexible Hoses													
	Foundry Chemicals													
	Furnaces													
	Gaskets													
	Gunning Material													
	Heat Recovery Stream Generators													
	Idler Bearings													
	Industrial Brushes													
	Industrial Equipment													
	Insulation Products													
	Kilns													
	Ladle Application													
	Lubricants													
	Machine Tools													

	Machined & Fabricated Items													
	Modules													
	Mortar Products													
	Ovens													
	Overhead Conveyor Tracks													
	Overhead Cranes													
	Packing Material													
	Pipe/Pipe Fittings													
	Pneumatic/Hydraulic Accessories													
	Pressure Guages													
	Process Heaters & Pre-Heaters													
	Pyrolysis Units													
	Reduction Cells													
	Refractory Products													
	Rollers													
	Rubber Lagging													
	Safety Items													
	Sealing Ropes													
	Spares For heavy eqpt & Heavy Vehicle													
	Temperature Measurement Products													
	Tyres													
	Valves													
	V-Belts													
	Veneering Systems													
	Ventilation Systems													
	Weighing Systems													
	Welding Electrodes													
	Wire Products													

9.3 Procurement Organization Chart



9.4 Procurement Employee List

Name	Position	Years with Our Company	Total Years in Purchasing
Mathew Chacko	Procurement Manager	1	12
Haridas	Sr. Material Engineer	4	15
Suresh Perera	Sr. Material Controller	4	07
Rey llot	Purchasing Supervisor	6	10
Danny Correa	Procurement Specialist	5	14
C.M.Nair	Procurement Specialist	6	10
Arlen Ventrua	Quality Assurance	3	15
Mathew George	Quality Assurance	2	12
Ahmed Addin	Expediter	4	9
Ahmed Merhoon	Expediter	6	11
Mohammed Khan	Expediter	7	9
Rolando Agameen	Expediter	4	8
Mustafa Abdul	Expediter	3	5
Harish Babu	Expediter	1	3
Mohd. Momen	Expediter	5	7
Shafi Khan	Expediter	3	5
Shashi Pillai	Expediter	6	12

9.5 Purchasing Activity Summary

*** Names and locations of International purchasing agents**

Name	Address
(1) Gulf Trading Corp.	5478 Nanesmond Parkway
	Suffolk, Virginia 23425
	(804) 488-7693 - Tel.
	(804) 488-4529 - Fax

Name	Address
(2) Murray International	32 Upper Mount Street
	Dublin, 2
	(01) 614-422 Tel
	(01) 614-086

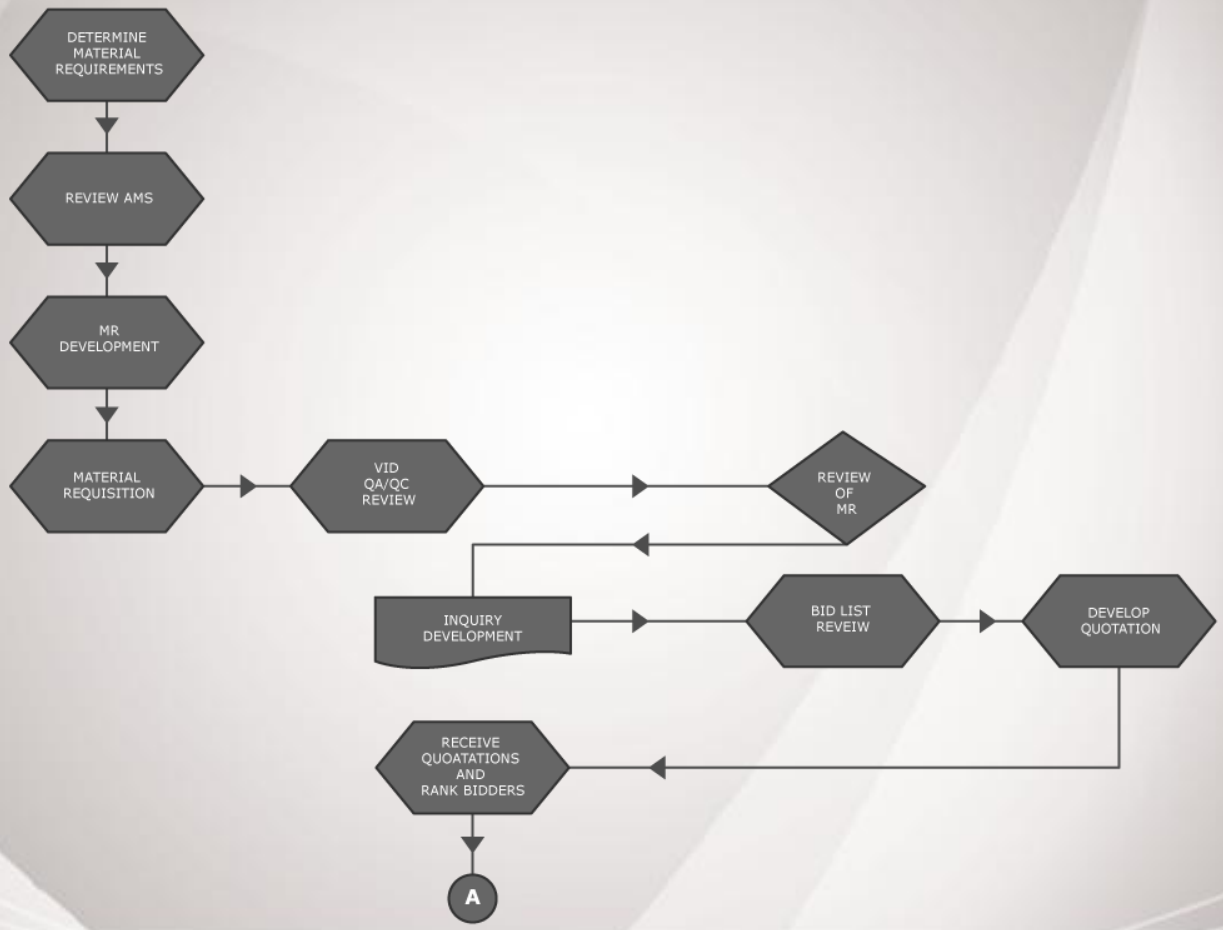
Value (in Saudi Riyals) of construction material purchased in-Kingdom for the past ten years:

Year-Curr.	Value Procured	Year-Curr.	Value Procured
2008 = SR	145,000,000	2007 = SR	56,000,000
2006 = SR	102,300,000	2005 = SR	140,540,000
2005 = SR	95,600,000	2004 = SR	88,200,000
2003 = SR	120,420,000	2002 = SR	130,532,000
2001=SR	90,332,000	2000=SR	72,265,000
1999=SR	57,812,500	1998=SR	46,250,000

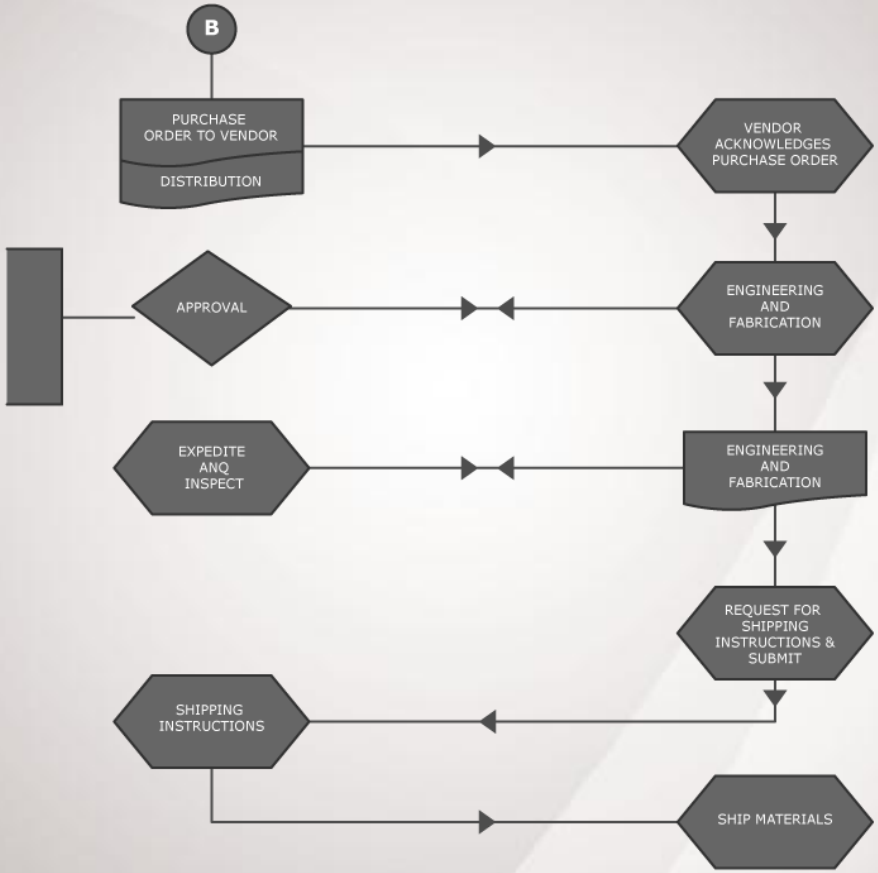
9.6 Procurement Manual

Note: Procurement Manual will be available on request

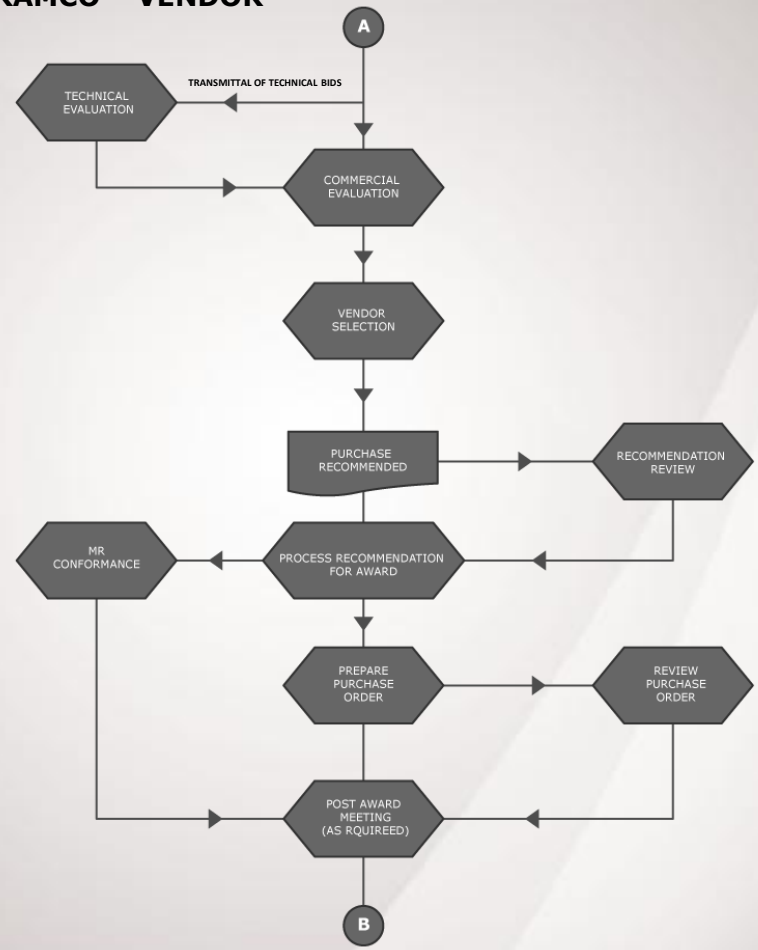
ENGINEERING PROCUREMENT ARAMCO VENDOR



ENGINEERING PROCUREMENT ARAMCO VENDOR



ENGINEERING PROCUREMENT ARAMCO VENDOR

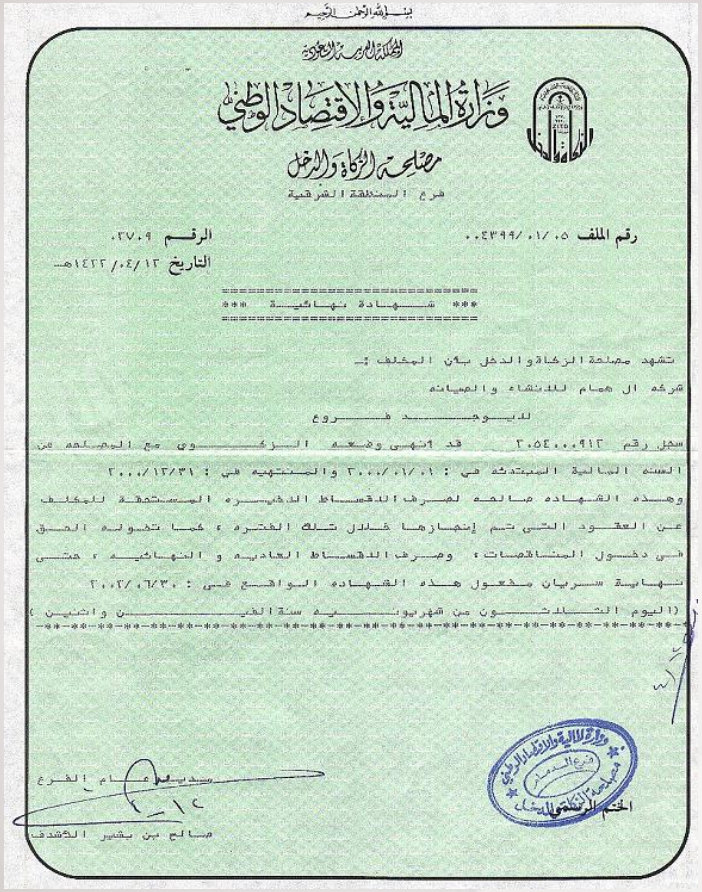


9.7 Procurement Flow Charts

“Attached”

GOVERNMENT LIICENSIING
&
FIINANCIIAL REFERENCES

10.1 Zakat Certificate



بسم الله الرحمن الرحيم

المملكة العربية السعودية

وزارة المالية والاقتصاد الوطني

مصلحة الزكاة والدخل

فرع المنطقة الشرقية

رقم الملف ٠٥/٠١/٠٠٤٣٩٩ الرقم ٠٣٧٠٩

التاريخ ١٤٢٢/٠٤/١٢هـ

شهادة نهائية

تشهد مصلحة الزكاة والدخل بأن المكلف :

شركه ال هام للبناء والصيانه

للبوجد فروع

سجل رقم ٢٠٥٤٠٠٩١٢ قد أنهى وضعه الزكوي مع الموضحه عن السنه المالية المبتدئه في : ٢٠٠٠/٠١/٠١ والمنتهيه في : ٢٠٠٠/١٢/٣١

وهذه الشهاده صالحه لصرف القسائط الذي يرد المستحقة للمكلف عن العقود التي تم إنجازها خلال تلك الفتره ، كما تخولة الحق في دخول المناقصات ، وصرف القسائط العاديه و النهائيه ، حتى نهاية سريان مفعول هذه الشهاده الواقع في : ٢٠٠٢/٠٦/٣٠

(اليوم الثلاثون من شهر يونيه سنة الفين واثنين)

مدير عام الفرع

صالح بن بشير القشقري

الختم الرسمي

10.2 Commercial Registration (s)

A) Commercial Registration of Al-Hammam Company

المملكة العربية السعودية
وزارة التجارة
٢٩٧

شهادة تسجيل شركة

الرقم: ٢٠٥٤٠٠٠٩٤٢
التاريخ: ١٤٠٣/٠١/٢٠
المرفقات: سلطات المدير

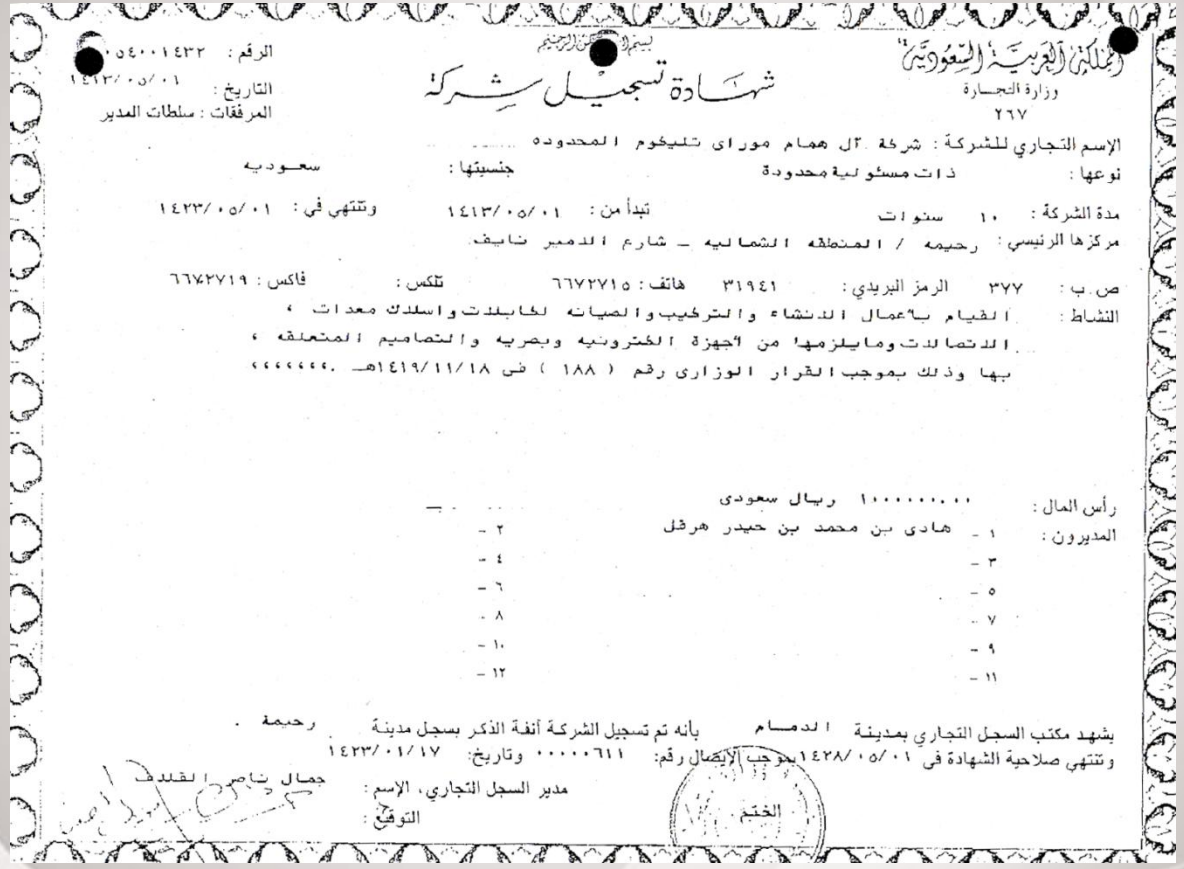
الاسم التجاري للشركة: شركة آل همام لمقاولات البناء والصيانة وشركاهم
نوعها: ذات مسئولية محدودة — جنسيتها: سعودية
مدة الشركة: ٩٩ سنوات — تبدأ من: ١٤٢٣/٠١/٢٩ — وتنتهي في: ١٤٣٢/٠١/١٨
مركزها الرئيسي: رحيمة - حي المقاولين - شارع المنطقة الصناعية
ص.ب: ٣٢٠ — الرمز البريدي: ٣١٤٤١ — هاتف: ٦٦٧٢٧١٥ — تلكس: — فاكس: ٦٦٧٢٧١٩
النشاط: أعمال المقاولات والترميم والصيانة والتشغيل في الأعمال الكهربائية والميكانيكية والإلكترونية صيانة وتشغيل أعمال الحرف اليدوية والخدمات الصناعية (صيانة وتنظيف المصانع) المقاولات العامة للمباني (إنشاء - إصلاح - هدم - ترميم) ٤٠٠,٠٠٠ ريال سعودي

رأس المال: ٥٠٠٠٠٠٠٠ ريال سعودي
المديرون:
١ - هادي بن محمد بن حيدر آل همام
٢ -
٣ -
٤ -
٥ -
٦ -
٧ -
٨ -
٩ -
١٠ -
١١ -

يشهد مكتب السجل التجاري بمدينة الدمام بأنه تم تسجيل الشركة آنفة الذكر بسجل مدينة رحيمة
وتنتهي صلاحية الشهادة في ١٤٢٨/٠٥/٣٠ بموجب الإعلان رقم: ١٠٠٠٠٤٧٩ وتاريخ: ١٤٢٣/٠١/١٣

مدير السجل التجاري - الإسم: جمال ناصر الشلعف
التوقيع:

B) Commercial Registration of Al-Hammam Murray Telecom Ltd.



المملكة العربية السعودية
وزارة التجارة
٢٦٧

بسم الله الرحمن الرحيم

شهادة تسجيل شركة

الرقم: ١٠٥٤٠٠١٤٣٢
التاريخ: ١٤١٣/٠٥/٠١
المرفقات: سلطات المدير

الإسم التجاري للشركة: شركة آل همام موراى تليكوم المحدوده
نوعها: ذات مسئولية محدودة جنسيتها: سعوديه
مدة الشركة: ١٠ سنوات تبدأ من: ١٤١٣/٠٥/٠١ وتنتهي في: ١٤٢٣/٠٥/٠١
مركزها الرئيسي: رحيمه / المنطقه الشماليه - شارع الدمير نايف
ص.ب: ٣٧٧ الرمز البريدي: ٣١٩٤١ هاتف: ٦٦٧٢٧١٥ تلكس: فاكس: ٦٦٧٢٧١٩
النشاط: القيام بأعمال الانشاء والتركيب والصيانه لكابلات واسلاك معدات ،
الاتصالات ومايلزمها من أجهزة الكترونيه وبصريه والتصاميم المتعلقه ،
بها وذلك بموجب القرار الوزارى رقم (١٨٨) فى ١٤١٩/١١/١٨هـ .،،،،،،،

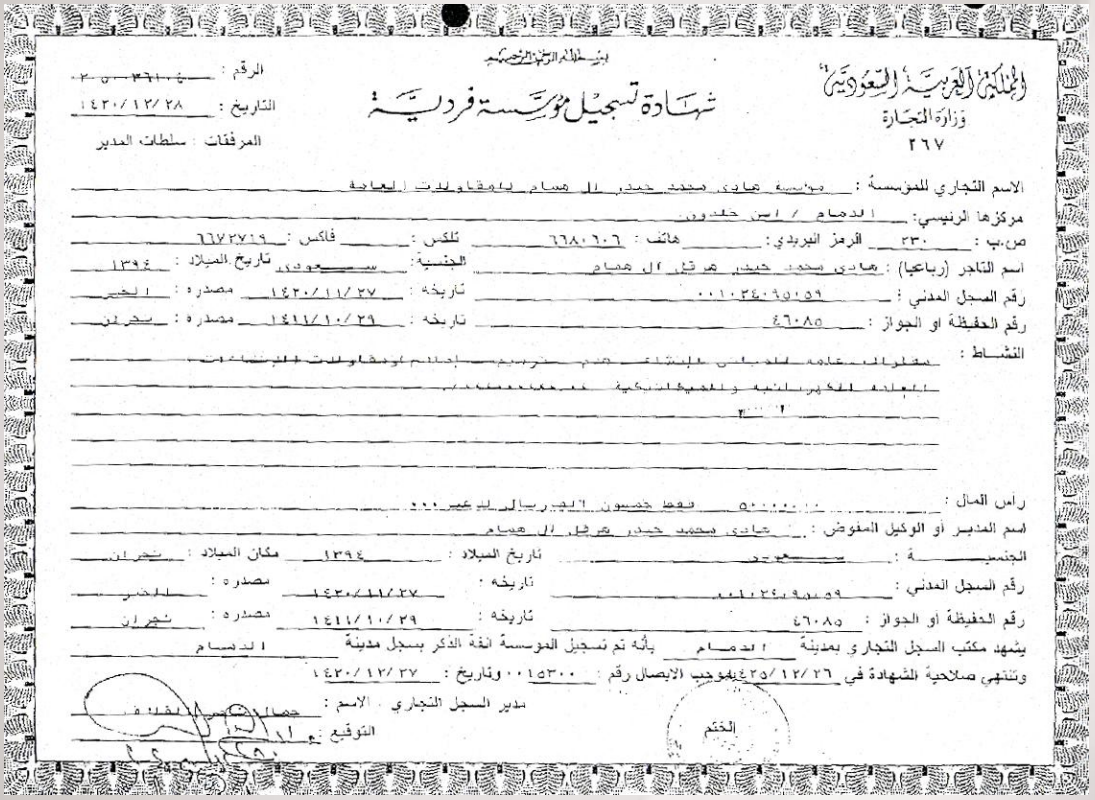
رأس المال: ١٠٠٠٠٠٠٠٠ ريال سعودى
المديرون: ١ - هادى بن محمد بن حيدر هرفل
٢ -
٣ -
٤ -
٥ -
٦ -
٧ -
٨ -
٩ -
١٠ -
١١ -
١٢ -

يشهد مكتب السجل التجاري بمدينة الدمام بأنه تم تسجيل الشركة أنفة الذكر بسجل مدينة رحيمة .
وتنتهي صلاحية الشهادة فى ١٤٢٨/٠٥/٠١ بموجب الإيصال رقم: ٠٠٠٠٠٦١١ وتاريخ: ١٤٢٣/٠١/١٧

مدير السجل التجاري، الإسم: جمال ناصر القنيذ
التوقيع:

الختم

C) Commercial Registration of HMH General Contracting



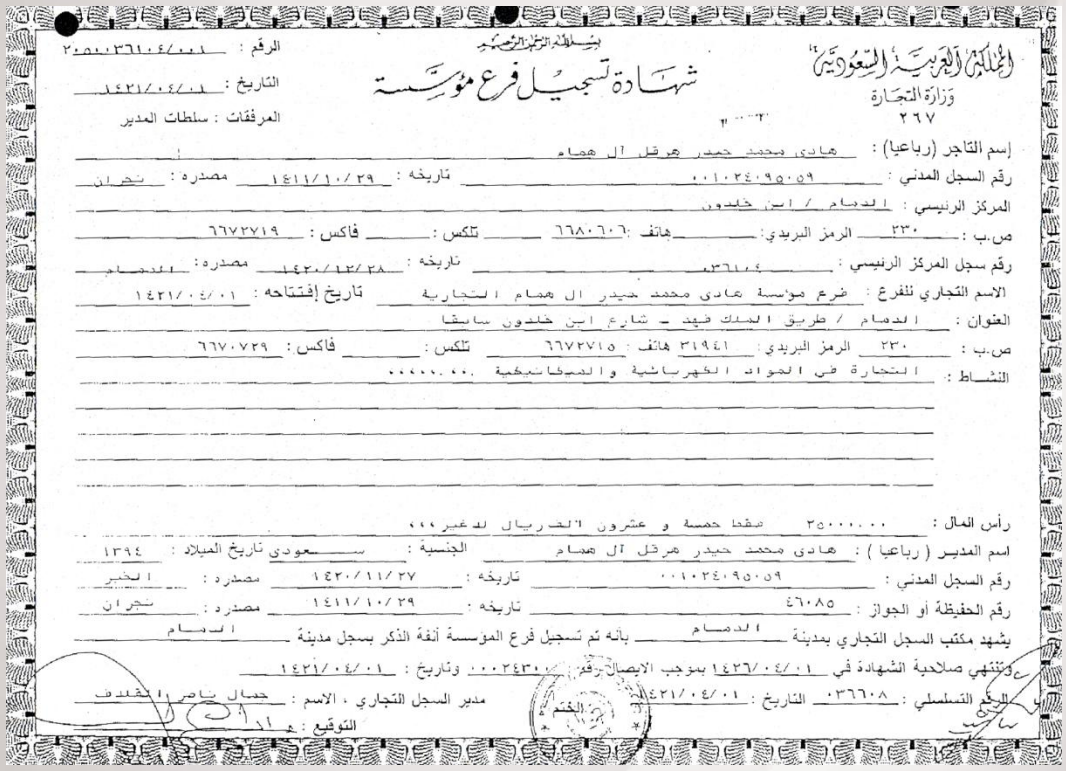
المملكة العربية السعودية
وزارة التجارة
٢٦٧

شهادة تسجيل مؤسسة فردية

الرقم : ٠٣٠١٠٠٣٦١٠
التاريخ : ١٤٢٠/١٢/٢٨
المرفقات : سلطات المدير

الاسم التجاري للمؤسسة : مؤسسة هادي محمد حيدر آل همام للمقاولات العامة
مركزها الرئيسي: الدمام / ابن خلدون
ص.ب : ٣٣٠ الرمز البريدي : هاتف : ٦٦٨٠٦٠٦ تلكس : فاكس : ٦٦٢٧٦٩
اسم التاجر (رباعيا) : هادي محمد حيدر عرقل آل همام الجنسية : سعودي تاريخ الميلاد : ١٣٩٤
رقم السجل المدني : ١٠١٠٣٤٠٩٥٠٥٩ تاريخه : ١٤٢٠/١١/٢٧ مصدره : الخبر
رقم الحفيظة او الجواز : ٤٦٠٨٥ تاريخه : ١٤١١/١٠/٢٩ مصدره : نجران
النشاط : مقاولات عامة للمباني والمشاريع العامة وتوريد وتركيب الأجهزة الكهربائية والميكانيكية
رأس المال : ٥٠٠٠٠٠٠ خمسون مليون ريال
اسم المدير أو الوكيل المفوض : هادي محمد حيدر عرقل آل همام
الجنسية : سعودي تاريخ الميلاد : ١٣٩٤ مكان الميلاد : نجران
رقم السجل المدني : ١٠١٠٣٤٠٩٥٠٥٩ تاريخه : ١٤٢٠/١١/٢٧ مصدره : الخبر
رقم الحفيظة أو الجواز : ٤٦٠٨٥ تاريخه : ١٤١١/١٠/٢٩ مصدره : نجران
يشهد مكتب السجل التجاري بمدينة الدمام بأنه تم تسجيل المؤسسة انفة الذكر بسجل مدينة الدمام
وتنتهي صلاحية الشهادة في ١٤٢٥/١٢/٢٦ بموجب الايصال رقم : ٠٠١٥٣٠٠ وتاريخ : ١٤٢٠/١٢/٢٧
مدير السجل التجاري : الاسم : حمادي [illegible]
التوقيع :
الختم

D) Commercial Registration of HMH Trading



المملكة العربية السعودية
وزارة التجارة
٢٦٧

بسم الله الرحمن الرحيم

شهادة تسجيل فرع مؤسسة

الرقم : ٢٠٥٥٠٣٦١٠٤/٠٠١
التاريخ : ١٤٢١/٠٤/٠١
المرفقات : سلطات المدير

إسم التاجر (رباعيا) : هادي محمد حيدر هرقل آل همام
رقم السجل المدني : ٠٠١٠٢٤٠٩٥٠٥٩ تاريخه : ١٤١١/١٠/٢٩ مصدره : نجران
المركز الرئيسي : الدمام / ابن خلدون
ص.ب : ٢٣٠ الرمز البريدي : هاتف : ٦٦٨٠٦٠٦ تلكس : فاكس : ٦٦٧٢٧١٩
رقم سجل المركز الرئيسي : ٢٠٥٥٠٣٦١٠٤ تاريخه : ١٤٢٠/١٢/٢٨ مصدره : الدمام
الاسم التجاري للفرع : فرع مؤسسة هادي محمد حيدر ال همام التجارية تاريخ إفتتاحه : ١٤٢١/٠٤/٠١
العنوان : الدمام / طريق الملك فهد - شارع ابن خلدون سابقا
ص.ب : ٢٣٠ الرمز البريدي : ٣١٩٤١ هاتف : ٦٦٧٢٧١٥ تلكس : فاكس : ٦٦٧٠٧٢٩
النشاط : التجارة في المواد الكهربائية والميكانيكية ٠٠٠٠٠٠٠٠

رأس المال : ٣٥٠٠٠٠٠٠ فقط خمسة و عشرون مليون ريال لاغير٠٠٠
اسم المدير (رباعيا) : هادي محمد حيدر هرقل آل همام الجنسية : سعودي تاريخ الميلاد : ١٣٩٤
رقم السجل المدني : ٠٠١٠٢٤٠٩٥٠٥٩ تاريخه : ١٤٣٠/١١/٢٧ مصدره : الخبر
رقم الحفيظة أو الجواز : ٤٦٠٨٥ تاريخه : ١٤١١/١٠/٢٩ مصدره : نجران

يشهد مكتب السجل التجاري بمدينة الدمام بأنه تم تسجيل فرع المؤسسة أنفة الذكر بسجل مدينة الدمام
وتنتهي صلاحية الشهادة في ١٤٢٦/٠٤/٠١ بموجب الايصال رقم : ٠٠٢٤٣٠ وتاريخ : ١٤٢١/٠٤/٠١

الرقم التسلسلي : ٠٣٦٦٠٨ التاريخ : ١٤٢١/٠٤/٠١ الختم

مدير السجل التجاري ، الاسم : جمال ناصر المقدف
التوقيع :

E) Commercial Registration of Zed-Technologies

المملكة العربية السعودية
وزارة التجارة

(شهادة تسجيل وكالة)

رقم الوكالة : ٠٠٧٥٦٢
تاريخ التسجيل : ١٤٢١/٠٦/٠٧

إسم الوكيل او الموزع : فرع مؤسسة هادي محمد حيدر ال حسام التجارية
عنوان الوكيل (او الموزع) : الدمام / طريق الملك فهد - شارع ابن خلدون سابقا
ص . ب : ٠٠٢٣٠ رمز بريدي : ٣١٩٤١ هاتف : ٦٦٧٣٧١٥ ٠٠٠٠٠٠٠ تلكس : ٠٠٠٠٠٠
رقم السجل التجاري ٠٣٦٦٠٨ مصدره الدمام تاريخه : ١٤٢١/٠٤/٠١
إسم الموكل : شركة زد تكنولوجيز انديستريال اوتوميشن .
عنوانه : الولايات المتحدة الامريكية - مدينة فورت ورث .
PRINCIPAL'S NAME : ZED-TECHNOLOGIES INDUSTRIAL AUTOMATION INC.
PRINCIPAL'S ADDRESS : FORTH WORTH U.S.A.
الجنسية : امريكيه نوع العقد : وكيل موزع
مدة العقد : ١١/مايو/٢٠٠٠م لمدة عشر سنوات قابلة للتجديد .
نطاق العقد : المملكة العربية السعودية .
موضوع العقد : بيع وتمويل وتركيب واختبار آلات تتحكم ضمنى شبكات كمبيوتر - تتحكم ضمنى .
وآلات ومكائن ومعدات كمبيوتر ٠٠٠٠٠٠٠٠٠٠٠٠ .

مدير عام التجارة الداخلية
الاسم : محسن بن محمد الوصيحان
التوقيع :

الغرفة التجارية الصناعية
التجارة الداخلية

10.3 Chamber of Commerce Registration (s)

A) Chamber of Commerce Registration - Al-Hammam Company

Chamber of Commerce & Industry

Eastern Province

JUBAIL BRANCH

الدرجة : الثانية

الغرفة التجارية الصناعية

للمنطقة الشرقية

فرع الغرفة بالجبيل

رقم العضوية :٣٦٩٥

١٤٢٣هـ

شهادة إنتساب

تشهد الغرفة التجارية الصناعية للمنطقة الشرقية بأن:

شركة ال همام للانشاء والصيانه

سجل تجاري رقم : (٢٠٥٤٠٠٠٩١٢) ـ صندوق بريد : ٢٣٠ رحيمة ٣١٩٤١

مسجل لديها هذا العام و ينتهي سريان هذه الشهادة في نهاية عام ١٤٢٣ هـ

صدرت في : ١٤٢٢/١٢/٢٦هـ

الختم

التوقيع

رقم السند: ٤/١٦٥١ تاريخ الاشتراك :١٤٠٧/٠٦/٢٠هـ ١١٧٠٥

المركز الرئيسي : (٠٣٨٥٧١١١١) - فاكس: (٠٣٨٥٧٠٦٠٧)

الفروع : فرع الدمام بالبنى القديم ☎ : (٨٣٤٥٩٠٠) - مكتب الغرفة بمجمع وزارة التجارة ☎ : (٨٤١٠٤١٠) - القطيف ☎ : (٨٥٣١١٠٠)

الجبيل ☎ : (٣٦٢٤٢٤٢) حفر الباطن ☎ : (٧٢١١٨٧٩) الخفجي ☎ : (٧٦١٢٧٠٧)

B) Chamber of Commerce Registration - Al-Hammam Murray Telecom Ltd

Chamber of Commerce & Industry
Eastern Province

الغرفة التجارية الصناعية
للمنطقة الشرقية

١٤٢٣هـ

JUBAIL BRANCH
الدرجة : الثانية

شهادة إنتساب

فرع الغرفة بالجبيل
رقم العضوية :١٥٦٦

تشهد الغرفة التجارية الصناعية للمنطقة الشرقية بأن:

شركة ال همام موراى تليكوم المحدوده

سجل تجاري رقم : (٢٠٥٤٠٠١٤٣٢) ـ صندوق بريد : ٣٧٧ رحيمة ٣١٩٤١

مسجل لديها هذا العام و ينتهي سريان هذه الشهادة في نهاية عام ١٤٢٣ هـ

صدرت في : ١٤٢٢/١٢/٢٦هـ

التوقيع

الختم

رقم السند: ٤/١٦٥٢ تاريخ الإشتراك :١٤١٣/٠٦/٠٤هـ ١١٧٠٥

المركز الرئيسي : (٠٣٨٥٧١١١) - فاكس: (٠٣٨٥٧٠٦٠٧)
الفروع : فرع الدمام بالمبنى القديم ☎ : (٨٣٤٥٩٠٠) - مكتب الغرفة بفرع وزارة التجارة ☎ : (٨٤١٠٤١٠) - التطبيف ☎ : (٨٥٣١٤٠٠)
الجبيل ☎ : (٣٦٤١٤٤٣) حفر الباطن ☎ : (٧٢١١٨٧٩) الخفجي ☎ (٧٦٦٣٧٠٧)

C) Chamber of Commerce Registration -HMH General Contracting

Chamber of Commerce & Industry
Eastern Province

الغرفة التجارية الصناعية
للمنطقة الشرقية

١٤٢٢هـ
شهادة إنتساب

رقم العضوية :٣١١٥١

الدرجة : الثالثة

تشهد الغرفة التجارية الصناعية للمنطقة الشرقية بأن:

مؤسسة هادى محمد حيدر ال همام للمقاولات العامه

سجل تجاري رقم : (٢٠٥٠٠٣٦١٠٤) ـ صندوق بريد : ٢٣٠ الدمام ٣١٤١١

مسجل لديها هذا العام و ينتهي سريان هذه الشهادة في نهاية عام ١٤٢٢ هـ

صدرت في : ١٤٢٢/٠١/٢٢هـ

الختم

رقم السند: ٤/٣٨٠١ تاريخ الإشتراك :١٤٢١/٠٣/٢٢هـ ١٠٥٠١

المركز الرئيسي : الدمام ، ص.ب ٧١٩ - الدمام ٣١٤٢١ - هاتف : ٨٥٧١١١١ - فاكس : ٨٥٧٠٦٠٧

الفروع : الجبيل : ٣٦٢٤٢٤٢ (٠٣) - حفر الباطن : ٧٢١١٨٦٩ (٠٣) - الخفجي : ٧٦٦٢٧٠٧ (٠٣) - القطيف : ٨٥٣١٤٠٠ (٠٣)

مكتب الغرفة برزارة التجارة : ٨٤١٠٤١٠ - مكتب الغرفة بالمبنى القديم : ٨٣٤٥٩٠٠

D) Chamber of Commerce Registration - HMH Trading

Chamber of Commerce & Industry
Eastern Province

الغرفة التجارية الصناعية
للمنطقة الشرقية

١٤٢٢هـ
شهادة إنتساب

رقم العضوية :٤٦٢٦٥

الدرجة : الرابعة

تشهد الغرفة التجارية الصناعية للمنطقة الشرقية بأن

مؤسسة هادي محمد حيدر ال همام التجارية

سجل تجاري رقم : (٢٠٥٠٠٣٦١٠٤/١) ـ صندوق بريد : ٢٣٠ الدمام ٣١٤١١

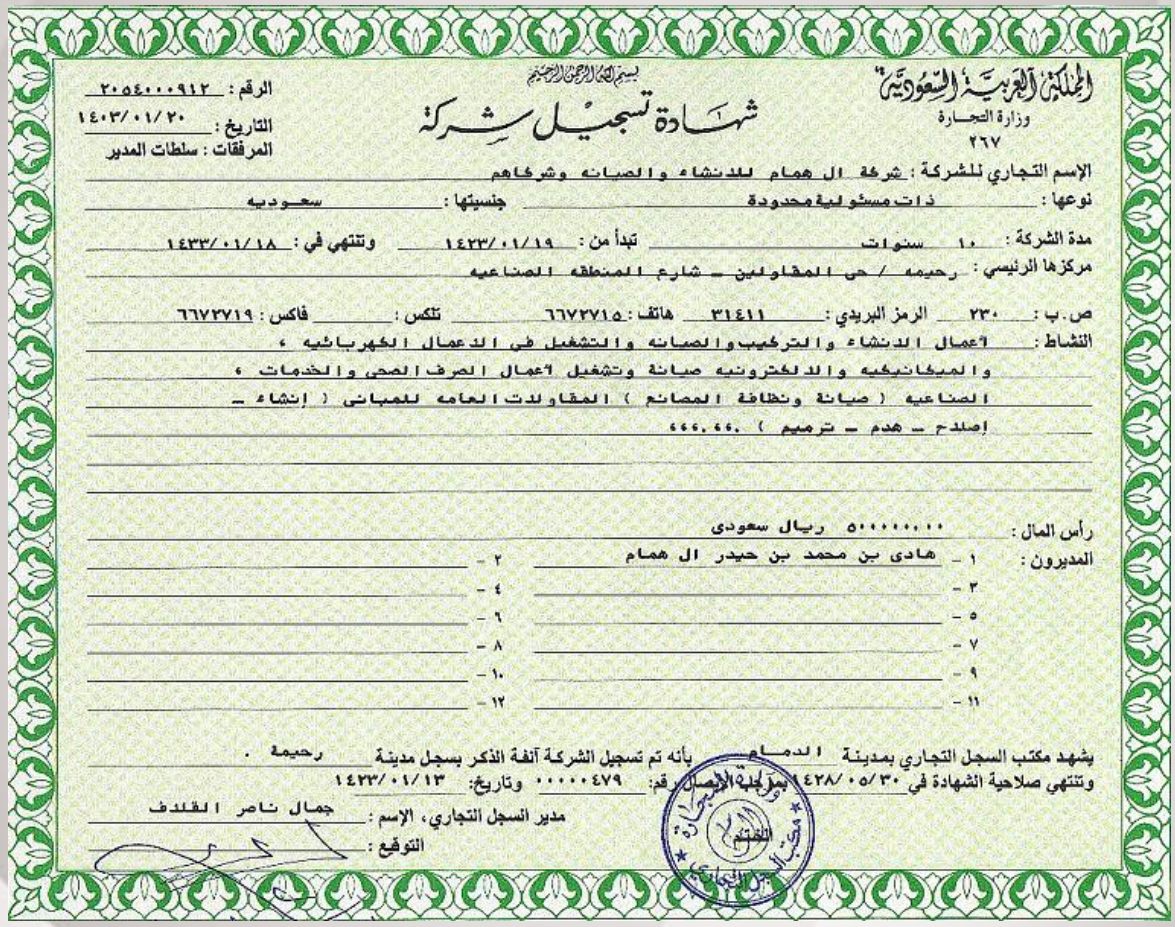
مسجل لديها هذا العام و ينتهي سريان هذه الشهادة في نهاية عام ١٤٢٢ هـ

صدرت في : ١٤٢٢/٠١/٢٢هـ

الختم

رقم العدد: ٤/٣٨١ تاريخ الإشتراك :١٤٢١/٠٦/٢٨هـ ١٠٥٠١

المركز الرئيسي : الدمام ، ص.ب ٧١٩ – الدمام ٣١٤٢١ – هاتف : ٨٥٧١١١١ – فاكس : ٨٥٧٠٦٠٧
الفروع : الجبيل : ٣٦٢٤٢٤٢ (٠٣) – خفر الباطن : ٧٢١١٨٦٩ (٠٣) – الخفجي : ٧٦٦٢٧٠٧ (٠٣) – القطيف : ٨٥٣١٤٠٠ (٠٣)
مكتب الغرفة بوزارة التجارة : ٨٤١٠٤١٠ – مكتب الغرفة بالمبنى القديم : ٨٣٤٥٩٠٠



المملكة العربية السعودية
وزارة التجارة
٢٦٧

بسم الله الرحمن الرحيم

شهادة تسجيل شركة

الرقم : ٢٠٥٤٠٠٠٩١٢
التاريخ : ١٤٠٣/٠١/٢٠
المرفقات : سلطات المدير

الإسم التجاري للشركة : شركة ال همام للدنشاء والصيانه وشركاهم
نوعها : ذات مسئولية محدودة جنسيتها : سعوديه
مدة الشركة : ١٠ سنوات تبدأ من : ١٤٢٣/٠١/١٩ وتنتهي في : ١٤٣٣/٠١/١٨
مركزها الرئيسي : رحيمه / حي المقاولين - شارع المنطقه الصناعيه
ص.ب : ٢٣٠ الرمز البريدي : ٣١٤١١ هاتف : ٦٦٧٢٧١٥ تلكس : فاكس : ٦٦٧٢٧١٩
النشاط : أعمال الدنشاء والتركيب والصيانه والتشغيل في الدعمال الكهربائيه ،
والميكانيكيه والالكترونيه صيانة وتشغيل أعمال الصرف الصحي والخدمات ،
الصناعيه (صيانة ونظافة المصانع) المقاولات العامه للمباني (إنشاء -
إصلاح - هدم - ترميم) ،،،،،،

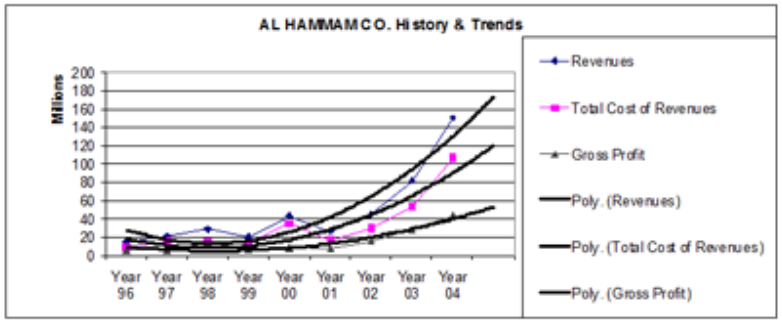
رأس المال : ٥٠٠٠٠٠٠٠ ريال سعودي
المديرون : ١ - هادى بن محمد بن حيدر ال همام ٢ -
٣ - ٤ -
٥ - ٦ -
٧ - ٨ -
٩ - ١٠ -
١١ - ١٢ -

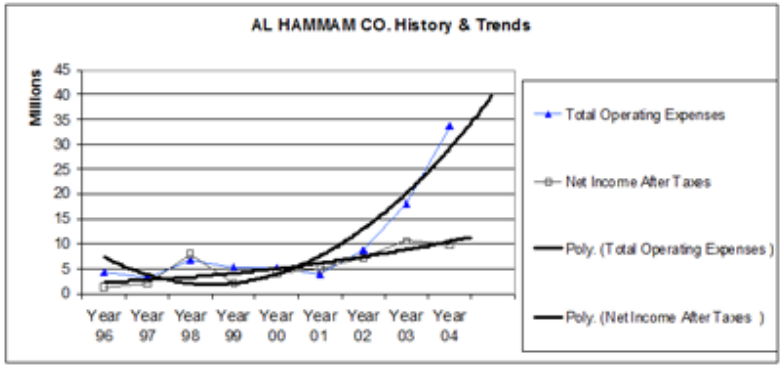
يشهد مكتب السجل التجاري بمدينة الدمام بأنه تم تسجيل الشركة آنفة الذكر بسجل مدينة رحيمة .
وتنتهي صلاحية الشهادة في ١٤٢٨/٠٥/٣٠ بموجب الإعلان رقم: ٠٠٠٠٠٤٧٩ وتاريخ: ١٤٢٣/٠١/١٣

مدير السجل التجاري، الإسم : جمال ناصر القلدف
التوقيع :

10.5 Financial Analysis - History & Trends

Overview	Year 96	Year 97	Year 98	Year 99	Year 00	Year 01	Year 02	Year 03	Year 04
Revenues	14,525,519	20,948,791	28,575,875	20,684,741	43,615,592	26,248,791	45,000,000	82,000,000	150,000,000
Total Cost of Revenues	8,675,241	15,599,998	15,137,033	13,527,969	34,705,380	17,644,678	29,430,323	53,300,000	106,500,000
Gross Profit	5,850,278	5,348,793	13,438,842	7,156,772	8,910,212	8,604,113	15,569,677	28,700,000	43,500,000
G & A (without Depreciation)	2,378,912	1,279,968	4,439,298	2,878,297	3,098,343	3,080,863	7,000,000	12,300,000	24,000,000
Depreciation	1,985,403	2,180,738	2,361,166	2,467,398	2,169,636	869,916	1,750,000	5,740,000	9,600,000
Total Operating Expenses	4,364,315	3,460,706	6,800,464	5,345,695	5,267,979	3,950,779	8,750,000	18,040,000	33,600,000
Net Income After Taxes	1,396,799	2,275,795	7,921,996	2,100,173	4,238,530	5,104,570	7,270,914	10,660,000	9,900,000





Al Hammam Company
شركة ال همام

Ratios	Year 96	Year 97	Year 98	Year 99	Year 00	Year 01
Current Ratio	0.99	1.95	2.11	1.62	1.95	2.84
Quick Ratio (Acid Test)	0.28	1.24	1.98	1.62	1.95	2.83
Return on Total Assets	6.48%	13.19%	41.67%	12.19%	18.35%	41.49%
Total Assets Turnover	0.67	1.21	1.50	1.20	1.89	2.13
Total Debt to Total Assets	0.42	0.18	0.31	0.41	0.39	0.29
Gross Profit Margin	40.28%	25.53%	47.03%	34.60%	20.43%	32.78%
Operating Profit Margin	10.23%	9.01%	23.23%	8.76%	8.37%	8.37%
Net Profit Margin	9.62%	10.86%	27.72%	10.15%	9.72%	19.45%
Operating Ratios						
% Inc from Ops / Total Assets	6.89%	10.95%	34.92%	10.51%	15.81%	37.82%
% Profit BT / Total Assets	6.48%	13.19%	41.67%	12.19%	18.86%	41.49%
Sales / Total Assets	0.67	1.21	1.50	1.20	1.89	2.13
Sales / Day (260 business days)	55,867	80,572	109,907	79,557	167,752	100,957
Number of Employees	300	350	400	480	580	900
Income from Operations per Employe	4,953	5,395	16,596	3,773	6,297	9,497
Net Income after Taxes per Employee	4,656	6,502	19,805	4,375	7,308	10,417
Asset Management (Efficiency)						
Total Liabilities / Total Assets	42%	18%	31%	41%	39%	29%
Debt to Capitalization	0%	0%	0%	0%	0%	0%
Liabilities / Net Worth	71%	22%	45%	70%	64%	41%
Working Capital Cycle						
Sales / Receivables	11.59	7.11	3.13	4.90	4.57	5.43
Days Sales Outstanding	31.48	51.33	116.51	74.45	79.90	67.24
G&A Efficiency						
Sales / Cost of G&A	6.11	16.37	6.44	7.19	14.08	14.08

10.4 Banking References

We have developed an excellent relationship with our bankers. We have proven to our banks that Al-Hammam Company can be trusted. Currently, we do not have any short, medium, long debt and our Accounts Payable are in the average of 55 days. We have developed the required trust to ensure that when the necessity arises for any substantial financing, our banks will provide the facility within 2 weeks.

We do not foresee any difficulty with financing projects over 250 million Saudi Riyals, in-kingdom or in the International contracting arena.

In addition to our bank facilities, we have the capability to offer parent and affiliate company guarantees. The combination of Al-Hammam Co., Al-Hammam Murray Telecom, Al-Hammam Real Estate Holdings represents a combined financial wealth worth more than 500 million Saudi Riyals in Assets alone.

No.	Bank Information	Contact Name	Contact Info.
1.	Al Bank Al Saudi Al Faransi Al Khobar Head Office 31952 KSA	Mr. Adel Yousef, Manager Mr. Francois-Meurville (Corporate Banking Division Manager)	Tel.: (03) 882-4026 Fax: (03) 882-3810
2.	Arab National Bank Rahima 31941 KSA	Mr. Saeed Sheikh, Manager	Tel.: (03) 667-3508 Fax: (03) 667-3572

10.5 Financial Analysis - Ratio Analysis

Ratios	Year 96	Year 97	Year 98	Year 99	Year 00	Year 01
Current Ratio	0.99	1.95	2.11	1.62	1.95	2.84
Quick Ratio (Acid Test)	0.28	1.24	1.98	1.62	1.95	2.83
Return on Total Assets	%6.48	%13.19	%41.67	%12.19	%18.35	%41.49
Total Assets Turnover	0.67	1.21	1.50	1.20	1.89	2.13
Total Debt to Total Assets	0.42	0.18	0.31	0.41	0.39	0.29
Gross Profit Margin	%40.28	%25.53	%47.03	%34.60	%20.43	%32.78
Operating Profit Margin	%10.23	%9.01	%23.23	%8.76	%8.37	%8.37
Net Profit Margin	%9.62	%10.86	%27.72	%10.15	%9.72	%19.45
Operating Ratios						
% Inc from Ops / Total Assets	%6.89	%10.95	%34.92	%10.51	%15.81	%37.82
% Profit BT / Total Assets	%6.48	%13.19	%41.67	%12.19	%18.86	%41.49
Sales / Total Assets	0.67	1.21	1.50	1.20	1.89	2.13
Sales / Day (260 business days)	55,867	80,572	109,907	79,557	167,752	100,957
Number of Employees	300	350	400	480	580	900
Income from Operations per Employee	4,953	5,395	16,596	3,773	6,297	9,497
Net Income after Taxes per Employee	4,656	6,502	19,805	4,375	7,308	10,417
Asset Management (Efficiency)						
Total Liabilities / Total Assets	%42	%18	%31	%41	%39	%29
Debt to Capitalization	%0	%0	%0	%0	%0	%0
Liabilities / Net Worth	%71	%22	%45	%70	%64	%41
Working Capital Cycle						
Sales / Receivables	11.59	7.11	3.13	4.90	4.57	5.43
Days Sales Outstanding	31.48	51.33	116.51	74.45	79.90	67.24
G&A Efficiency						
Sales / Cost of G&A	6.11	16.37	6.44	7.19	14.08	14.08

10.6 Financial Statement

NOTE: Financial Statement will be available on request