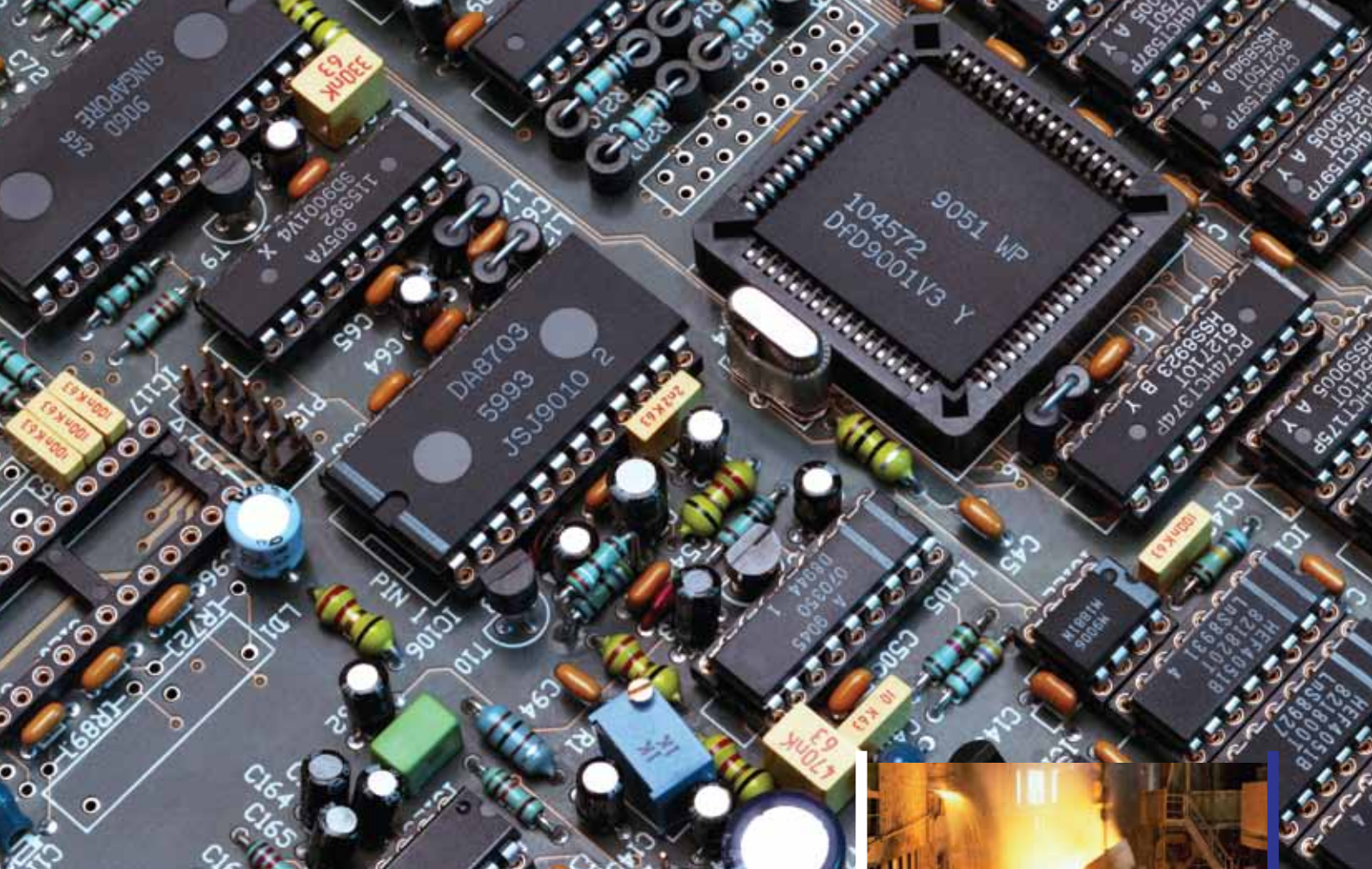





**TECHNICAL SOLUTIONS
LABORATORY W.L.L.**





 is a complete solutions and repair services provider company covering many Fields and Industries such as:

-  **Oil & Gas**
-  **Water & Waste Water**
-  **Power Generation**
-  **Assembly & Bottling Plants**
-  **Steel & Metal Industries**
-  **Food & Beverages**
-  **Fiber & Plastic**
-  **Medical & Pharmaceutical**





About Us:

T.S.L. is a Services solutions provider & Project Management Solutions for many Industries/Equipment

Repairing Services - TSL is involved in the special purpose and industrial electronic equipment repairing and refurbishment at the electronic components level, as well as in the industrial computer systems, Instrumentations maintenance and integration.

Supply Services - scope of our service ensures that we'll always have what you need. And our staff will make sure you're receiving personalized service, tailored to the specific needs of your business.

TSL Team
with more than 25 years
of experience,
we are the technology leader that
continually sets the standard in the
industrial supply/service/
Project Management.

**A one-stop shop for cost-effective,
high-quality solutions
to support your needs.**



Our Mission

Deals with projects management within an organisation.

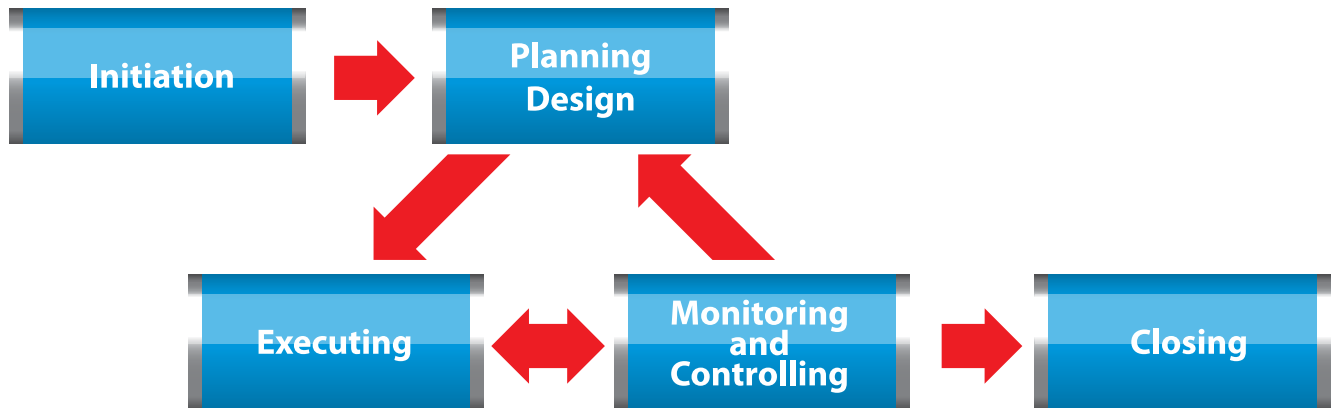
TSL is involved in the special purpose and industrial electronics repairing and refurbishment at the components level, as well as in the industrial computer systems maintenance and integration.

Maintenance Planning and Scheduling are key elements that influence the true success of any organization. We help companies in Effective Maintenance Planning and in Maintenance Scheduling. We undertake contracts for the same Services customized to extend the life of your installed base and save your money

**More than 25 years
of experience helped us
become part of the supply chain
which has reliable and trusted
partners across the Globe.**

**We can supply and deliver new,
refurbished and custom designed
equipments and parts
in reasonable rate
and high speed.**

Project Management



Project Management, which is considered to be a vital process within an organisation, is only a success when it's planned, processed and executed well. Without proper planning, or understanding the importance of a given

project, a project cannot be executed effectively. We undertake Project completely and partly according to the customer requirement, whether it is integration or installation or modification.

Supply



Our vast experience and reliable sources around the globe will be an asset to the industry in Analysing and Achieving a result in repair/renew/refurbish unit scenario. Our efficient mode of approach and our team comprising international partners around the globe helps in achieving the said goal in minimum time, expenditure, effort and maximum reliability.



Repair Services

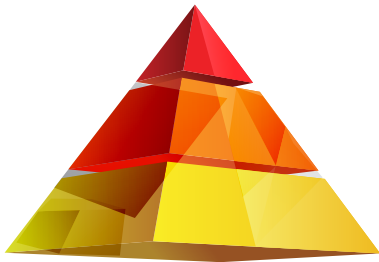
TSL with the help of state of the art test equipments performs deep level repairing of a wide range of electronic & computer equipment such as but not limited to : Analogue, Digital, Mixed & Microprocessor / Microcontroller PC Boards, CNC Controls, Programmable (PLC) & Special Purpose Controllers, Variable Speed Drives (VFD), DC Motor & Step Motor Drives, Linear & Switching Power Supplies, Ultrasonic Power Generators, Instrumen

tal & Servo Amplifiers, CRT/LCD/VFD Displays & Control Panels, Industrial Network Interfaces, Process Control Computer Systems on different platforms, and of much other equipment, by virtually any OEM, even without schematics and source codes and we do Special Purpose & Industrial Computer Systems Repair & Integration.

Our Repair Services Covers

All Drives

- Variable Frequency Drives
- DC Drives
- Servo Drives
- Spindle Drives



Defective Drive Output / Power Supply/ Control Circuit

Preventive Maintenance Services

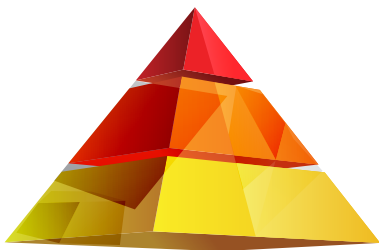
Testing

PLC Modules

Error in Automation Output
PLC Automation Software Backup
PLC Services as; I/O, CPU, Power Supply Modules Repair
Communication Errors with Profibus
Maintenance Services



Power Supplies



Defective Input Circuit

Defective Output Circuit

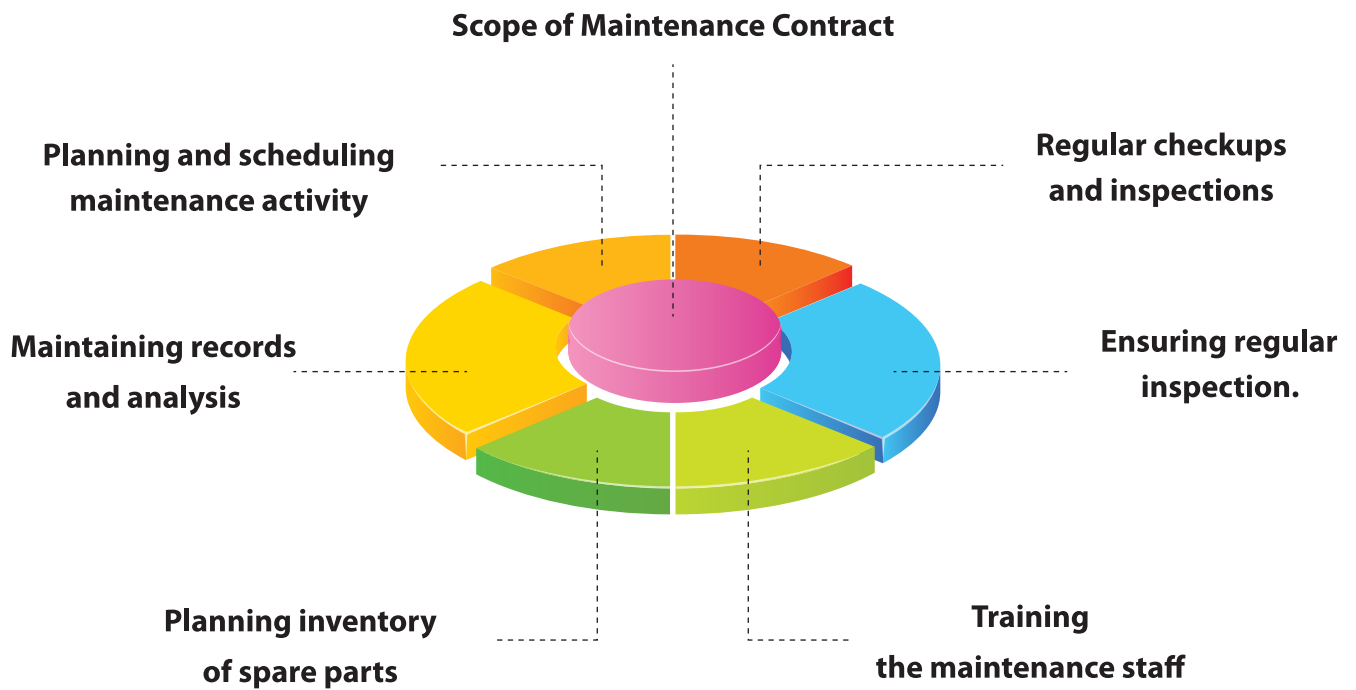
Preventive Maintenance

Industrial Monitors & Terminals

Obsolete Keypad Replacement
Touch Screens Replacement
TFT/LCD/LED Panel Services
Preventive Maintenance Services



Maintenance Contract





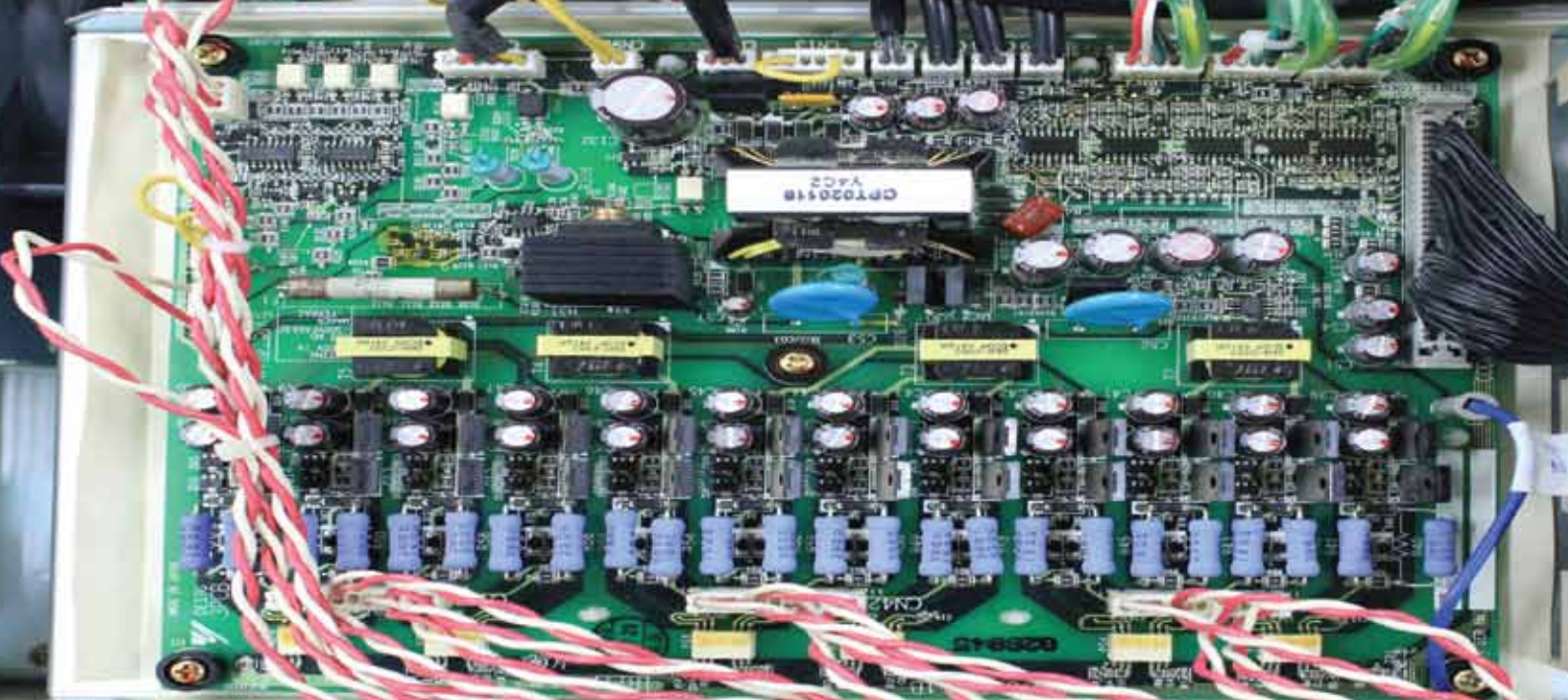
One Stop Shop Solution Provider & Machines Maintenance Cost Saving

Providing Repair, Outsource & or Replacement
for many systems; here are some of the **UNITS** we service

PLC Systems	CNC Controllers	MOTION Controllers (A/C or D/C)
Power Supplies	Operation Panels	All Servo Drives
Secondary DC Supplies	Servo Drives	All Servo Motors
Processor Cards	Servo Motors	Transducers
Memory Cards	Axis Cards	Interface Cards
Interface Modules	Main & Secondary Power Supplies	
Analog I/O Cards	Processor Cards	
Digital I/O Cards	Memory Cards	
Communication Cards	Interface Modules	
Remote I/O	I/O Cards	
Distribution Panel	Communication Cards	
Program Loaders	Remote I/O	



WELD Controllers	TERMINAL Screens
Power Supplies	All Monitors CRT
Wire Feeders	as well as LCD type.
Weld Timers	



One Stop Shop Solution Provider & Machines Maintenance Cost Saving

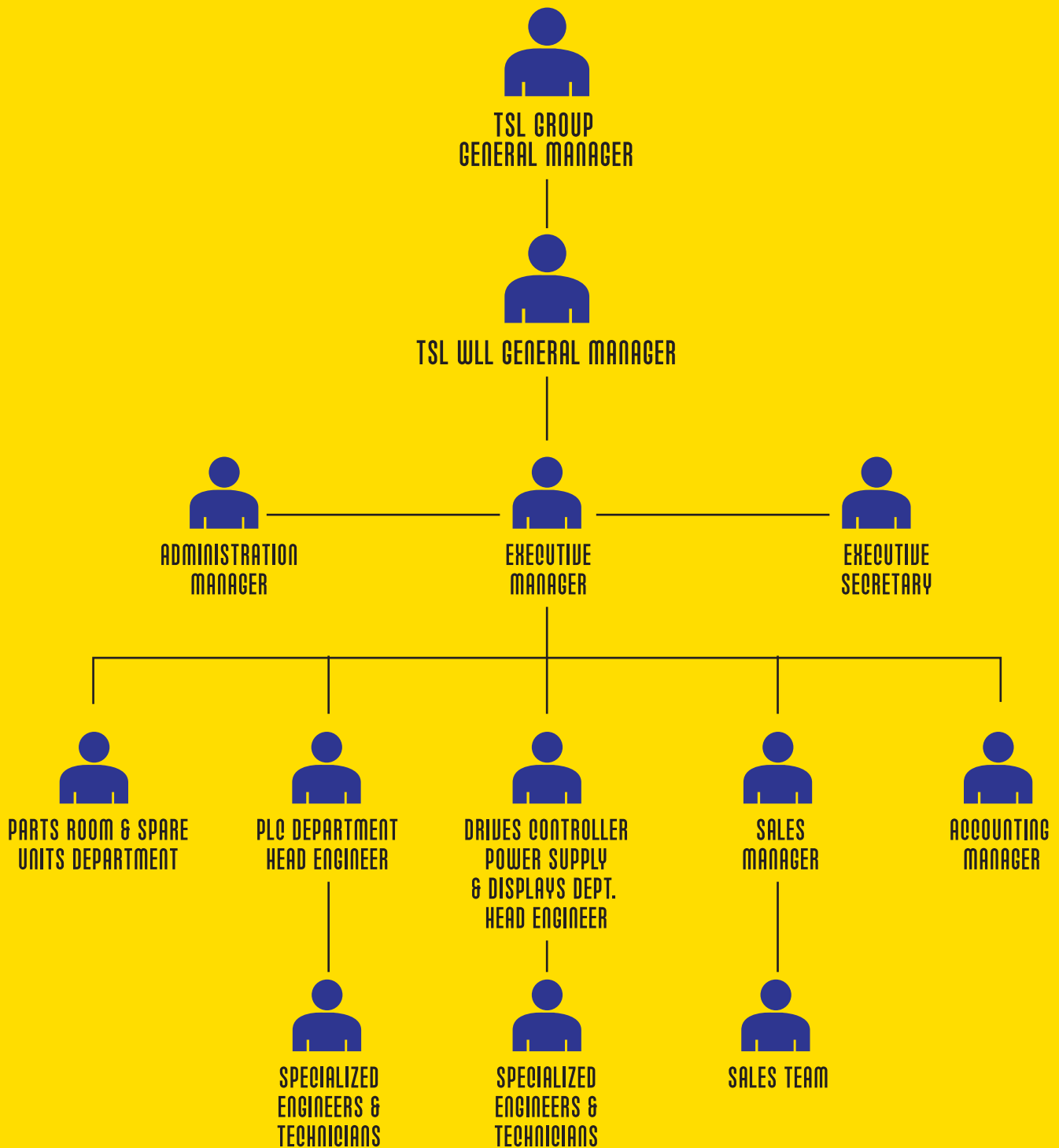
Providing Repair, Outsource & or Replacement
for many systems; here are some of the Brands we service

PLC Systems Brands	CNC Controllers Brands	FASTENING Systems Brands
ABB	Allen Bradley Siemens	Atlas copco cooper
SanyoDenki/Toyod	Bridgeport Yaskawa	Gardner-denver
Cutler-Hammer	Cincinnati Millacron FANUC	Gse
Siemens	GE Indramat	Ingersoll-rand
GE / Fanuc	Mazak/Mitsubishi Okuma	Landis
Honeywell	Sanyo Denki/Toyoda	Stanley
Texas Instruments	Spinner	
Mitsubishi		
Modicon		
Omron		
Reliance		
Allen Bradley		
Telemecanique		
Yaskawa		
Westinghouse		





Flow Chart



Customer Appreciation



SIEMENS

Rockwell
Automation

Schneider
Electric

SEW
EURODRIVE

Danfoss

CONTROL
TECHNIQUES

Telemecanique
GROUPE SCHNEIDER

FANUC



Lenze



OMRON

YASKAWA

Gardner
Denver

IR
Ingersoll Rand

SUPPLY REPAIR SERVICE PROJECT

One Stop Shop Solution Provider & Machines Maintenance Cost Saving

STATE OF
KUWAIT



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