



Total Grow Control

THE AUTONOMOUS HORTICULTURE CO.

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Total Grow Control

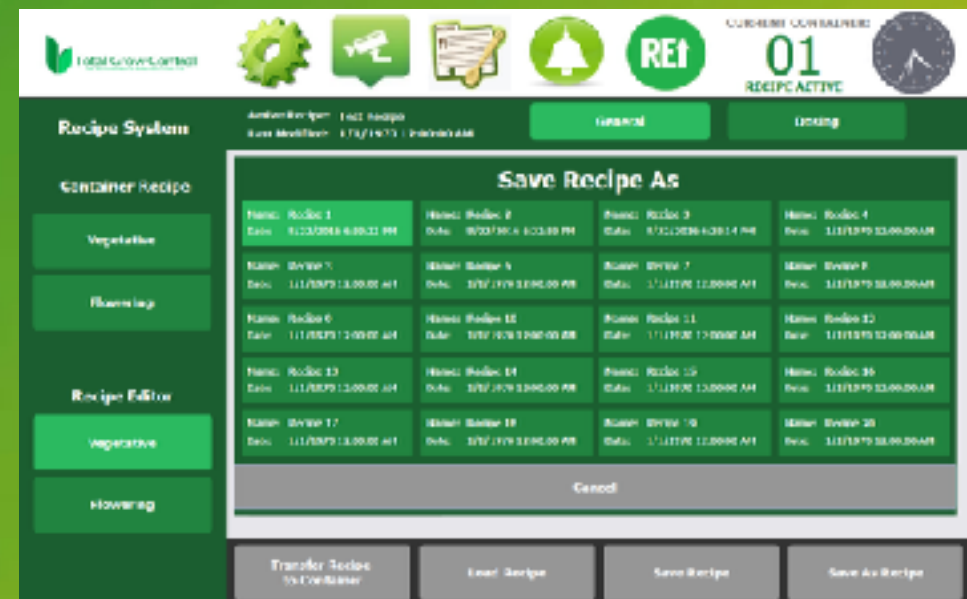
THE AUTONOMOUS HORTICULTURE CO.

- Company Overview
- Most Complete Control System on the Market
 - » Environment
 - » Security
 - » Data Acquisition and Management
- Solutions for water:
 - » Cleaning/Conditioning
 - » Nutrient Delivery and Recovery
 - » Recycling and Re-use
- Retrofit Existing Facilities
- Design-Build Consulting
- Containerized Systems Configured “Ready to Grow”



CONTROLS

- Stand-alone control systems for growers seeking the greatest efficiencies in large scale indoor facilities
- Complete Ecosystem Control and Monitoring for any Method
- CO2 Management
- Temperature
- Humidity
- Lighting
- Automatic water and Nutrient Delivery
- Water Temperature and pH
- Strain Specific Control Programs
- ERP Integration
- Data Trends and Precise Duplication of Conditions
- Nutrient Re-Order and More



Software

The screenshot displays the 'Recipe System' configuration page. It includes a sidebar with 'Container Recipe' (Vegetative, Flowering) and 'Recipe Editor' (Vegetative, Flowering) options. The main area shows a table for configuring recipes with columns for Phase, Interval, Pump, Dosing Media, Rate, Amount, and Phase Length.

Phase	Interval (Hours)	Pump	Dosing Media	Rate (ppm)	Amount (L)	Phase Length (Days)
Phase 01	6	A	Feed Dose	5	1	3
		B	Feed Dose	5	1	
		C	Feed Dose	7	2	
		D	Feed Dose	5	5	
Phase 02	2	A	Feed Dose	5	1	21
		B	Feed Dose	5	1	
		C	Feed Dose	5	1	
		D	Feed Dose	5	1	
Phase 03	1	A	Feed Dose	5	1	
		B	Feed Dose	5	1	
		C	Feed Dose	5	1	
		D	Feed Dose	5	1	

Pre-Programmed or User Defined “recipes”
Allow Precise, Automated Control of each zone

The screenshot displays the 'Alarms' section of the software. It includes a table with columns for Type, Date, Time, and Text, listing various system alerts.

Type	Date	Time	Text
Cont01	8/11/2015	02:15:00 PM	AC1 - Humidity Alarm
Cont01	8/11/2015	02:15:00 PM	AC1 - Residual Alarm
Cont01	8/11/2015	02:15:00 PM	pH Low - Low Warning
Cont01	8/11/2015	03:05:00 PM	Humidity Temperature Alarm
Cont01	8/11/2015	03:05:00 PM	Humidity Low Alarm
Cont01	8/11/2015	03:05:00 PM	ETCO Low Alarm
Cont01	8/11/2015	03:05:00 PM	Air Temperature Low Alarm
Cont01	8/11/2015	03:05:00 PM	pH Low Alarm
Cont01	8/11/2015	03:05:00 PM	Flow Meter Low Alarm

At the bottom, there is a row of 20 red buttons labeled 01 through 20, representing different zones.

Internet-based Monitoring Gives Immediate Notification to Onsite Staff and Management Via Mobile Devices

Water Treatment and Management Services

- Reverse Osmosis Systems
- Commercial Watering and Nutrient Delivery Systems
- Recycling and Re-use capabilities
- Experienced with systems up to 350GPM



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Site Services

- Design & Implementation
 - Site Review and System Design
 - MEP Drawings
 - Commissioning and On-Site Support
 - Operational and Horticultural Consulting
- Software
 - Security, Recipe Control, Mobile App
- Parts, Service and Consumables Sales
 - 24/7 Online Technical Support

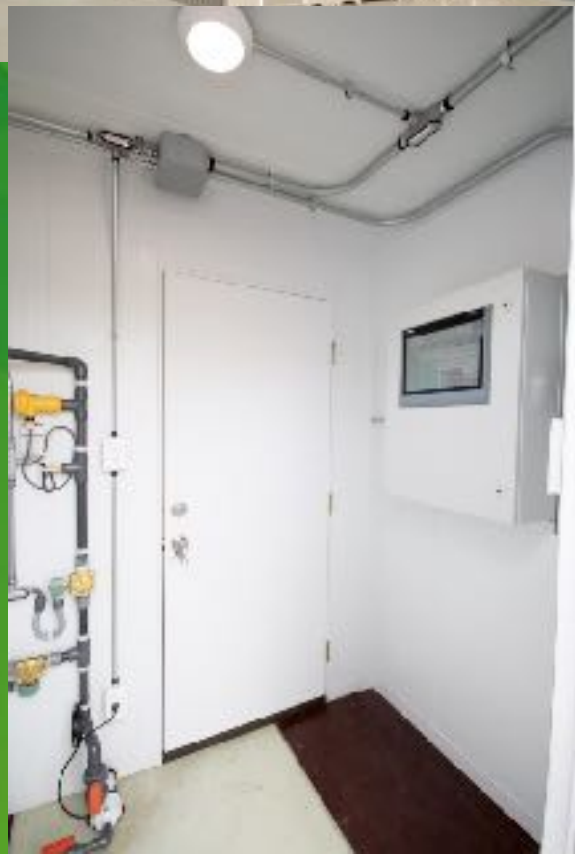
Turn-Key Containerized Systems



- Containerized systems for growing, processing and extraction
- Multiple container systems for commercial cultivation
- Stand-Alone control systems for established growers seeking Greater Efficiencies
- Strain-specific Control Programs, ERP Integration, Nutrient re-order and more



Hardware



SIEMENS



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Our Turn-Key Solutions

- Shipping Container-Based Cultivating, Processing and Extraction Environment
 - Safe, secure and robust, providing the owner with industrial-grade control systems identical to those used in large, complex facilities
- Remotely Accessible and Controllable with Cloud-Based storage
- Operational Consulting



Turn-key benefits

- Reduced Barriers to Entry
 - Cost, Construction Lead Time
- Reduced Operating & Energy Costs
- Indoor or Outdoor (-20 to 120 F)
- Reduced Technical and Financial Risk
 - Isolation, Continuous Harvest
- Security and Safety
- Asset Preservation

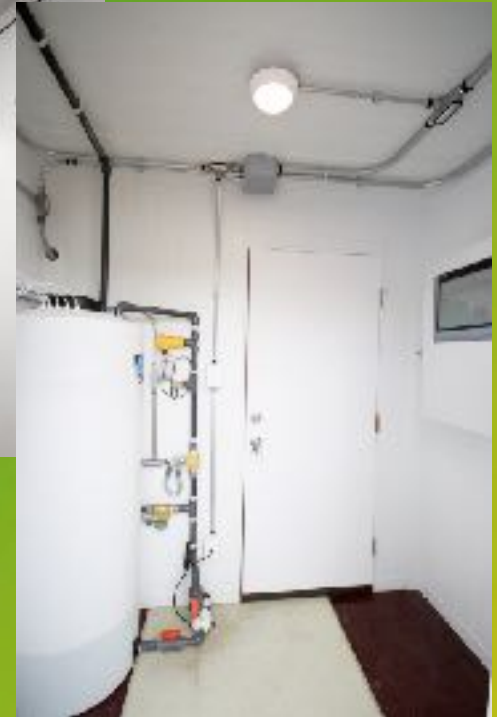


Advantages

- 4-5 Week Fabrication
 - Site preparation during fabrication
 - Harvest 3-4 months from delivery
 - Use Indoors or Outdoors
 - Stackable enabling use of vertical space
- Automation of Core Tasks
 - Watering and nutrient delivery systems
 - Lighting Cycles
 - Access Control
 - Environmental Control Devices
 - Product Tracking
- Pre-Loaded and User-Defined Recipes
- Highly-secure

Total Grow Solution

- Scalable
- Quick to market
- Industrial Grade Controls
- Highly Secure
- Energy Efficient
- Portable
- Versatile
 - Production
 - Processing
 - Extraction



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Management Team

Derek Oxford, Founder

Jon Hoffman, Co-Founder

Alan Waldheim, Co-Founder

Todd Lewis, Co-Founder



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