

The Complete Solution

GrowTRAC™

All your barns.
Every hour. Every day.
Everywhere.

GrowTRAC is a web-based communication solution that extends the capabilities of your existing controllers.

This service allows you to connect, monitor, control, analyze and improve livestock production from your PC anywhere world-wide.

Features:

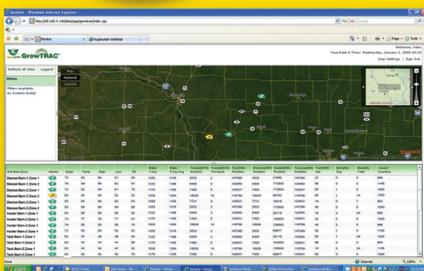
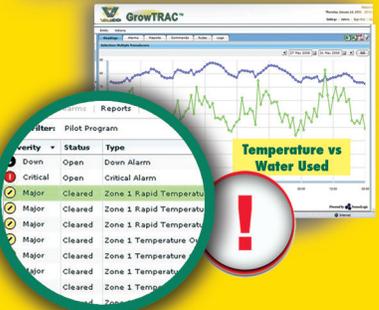
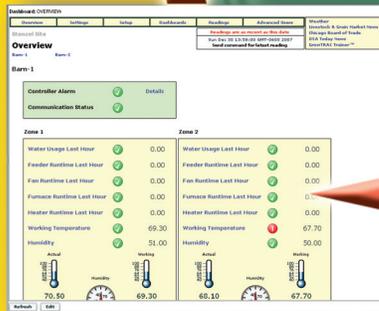
GrowTRAC provides secure, multi-level, password protected access to all your current and historical data. This web-based software solution provides Intelligent Escalating Alarm Notification of equipment failures, high energy costs, disease risk and more.

These notifications can be sent to e-mail, cell phone, land phone, or voice through satellite.

Optimize analytical report performance with 24/7 monitoring; enhancing your profits with capabilities aimed at multiple site management.

Provides you with:

- Conditions At-A-Glance - Status summary of multiple sites on one web-page linked to specific detail
- Over the Air Upgrades - Keeps you current
- Advanced Predictive Diagnostics - Identify health risks, equipment failures and growth trends from your office
- Immediate Communication - Fully wireless solution with no buried lines
- Data Analysis - Current mortality, animal inventory, feed conversion, performance evaluation, energy consumption and field audit reporting
- Expandable - Features such as scales, feed inventory, LP and lagoon levels, PDA input and security can be added



GrowTRAC offers the first full-featured data collection with remote control that can be configured for the needs of the individual grower as well as specific integrator networks.



People. Products. Solutions.



Features

Pain Point

Environmental Conditions Monitoring

- Unknown number and duration of Out-of-Feed Events
- Managers must make frequent trips to sites to assess conditions
- No real-time knowledge of emergency conditions
- High energy costs
- No notification of equipment failure
- Limited animal health risk indicators
- No Multi-Site Overview
- No remote knowledge of animal condition and grade

Historical Record Data

- Historical data stored in multiple incompatible formats
- Limited visual presentation of data
- Use of spreadsheets is manual, intensive and slow
- Inability to efficiently capture site and animal data
- No real-time data
- No effective way to compare site-to-site performance over time

Remote Control and Monitoring

- Dial-up modem updates expensive and slow
- Only one site can be connected at a time
- Manual updates require excessive travel costs
- Lack of key data
- No intelligent notification
- Limited number of users
- Limited access and availability

Electronic Field Data Entry (MDA or PDA)

- Paper reports/manual entry
- Multiple points for human error in data entry
- Time delay for data upload
- Multiple systems required for data collection
- Administrative staff required
- Duplication of effort and data
- Time and cost of modifying reports

Enterprise and 3rd Party Systems Integration

- Multiple systems with partial data
- Multiple points of management
- No tie-in to feed or LP ordering systems
- No tie-in to delivery scheduling
- No tie-in to animal management systems
- No real time data

Return On Investment (ROI)

Impact

- Loss of growth and meat production
- Increased labor costs and travel costs
- Managers forced to manage sites reactively
- Slow reaction time
- Higher health/mortality rates
- Increased biosecurity risks

- Labor intensive data comparisons
- No standardization of growout parameters
- Inability to fully analyze historical animal/environmental/major event information
- Inability to act proactively to current environmental and health conditions
- Inability to monitor current mortalities and animal inventories

- Productive time wasted by slow connection
- Increased labor costs and travel costs
- Limited flexibility/accessibility
- Limited notification

- Errors in data
- Increased data entry labor cost
- Increased training time required for multiple systems
- Delays in receiving data
- Limited flexibility of reporting formats
- Lack of standardization of reporting entries

- Reduced efficiency with multiple systems
- Requires additional personnel
- Redundant or missing orders
- Loss of productivity and grower goodwill due to missed notification of real time changes

GrowTRAC™ Advantages

- Reduced number and duration of out-of-feed events
- Increase number of sites manageable by a single manager
- Reduce hours of “windshield time”
- Reduced biosecurity risks
- Leveraging of key employees
- Efficient management
- Improved Standardization

- Earlier detection of underperforming sites
- Performance improvement of underperforming sites
- Increase number of sites per analyst
- Auto notification of out of limit performance
- Increased accuracy of data
- Production data on a timely basis

- Manage and control multiple site parameters to standardize sites
- Reduce time required to update settings and parameters
- Effective management and time utilization
- Multi-site overview
- Intelligent notification
- System heartbeat monitoring
- Warnings as well as alarms
- Notifications by phone, cell phone, email or pages

- Reduce number of data entry errors/corrections
- Hand held data audits with all-in-one interfacing system
- Audits programmed into system
- Increase number of sites serviced by data entry staff
- Increase speed of data transfer

- Reduce number of duplicated or missing feed or LP orders
- Capture animal, production, and field report information in real time for a more complete and timely analysis



VAL-CO offers a complete line of Whole House Controllers for all your livestock production needs along with the tools to monitor and control your barns from a computer anywhere in the world. Our innovative, ground-breaking controllers have been delivering outstanding results in the field for over 14 years.

The VAL-CO Family

- Watering Systems
- Feed Bins, Fill Systems
 - Feeders
 - Lighting
- Brooders & Heaters
- Evaporative Cooling
- Fans & Other Ventilation
- Whole House Controllers™
 - Incinerators
 - Alarms
 - Flooring
 - and much more...



From specialized control software dedicated to power barns to our patented natural ventilation logic, VAL-CO Whole House Controllers allow you to maintain the environment in your barns within very precise tolerances while our software interlocks reduce the operating costs of fans and heaters, making a better environment for your livestock, and your checkbook.

In an age of global economies, rising competition and ever-increasing energy costs, VAL-CO offers a solution: Our M2M award winning GrowTRAC™

Remote Monitoring Service combined with our Whole House Controllers and full-line of integrated support products.

**Come see for yourself why
more producers are choosing
GrowTRAC™ Remote
Monitoring Service and
VAL-CO Whole House Controllers.**



Call your local **VAL-CO** representative or distributor for more information on this and other fine quality products.

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