Access Control & Biometrics in the plant

Security for the Citrus – Beverage Industry
Technology to meet your challenges
Understanding the Challenges today

Geographical and Physical Layouts can pose serious challenges while increasing the risks of security breaches.

Accounting, protecting and ensuring continuous movement of personnel, tankers and pallet containers is difficult at best.

Hundreds of hours can be spent proving compliance with state, federal and local regulations.
Meeting the Challenges today

✓ Requirements today are more diverse, specialized, and critical than ever before

✓ Making your facilities more accessible while protecting your people, processes and products

✓ Proper implementation can improve your bottom line

✓ Production and Delivery of our products require advanced technology and applications
## Security Solutions for the Plant

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- **Access Control**
- **Biometric Technology**
- **Biometric Verification**
- **Electronic Tracking**
- **Visitors Management**
- **Screening & Detection**
- **Command & Control**
- **Intelligent Video Analysis**
- **Perimeter / Intrusion Detection**
- **Barrier Systems**
- **Credential Management**
- **Mass Notification**
- **Intelligent Response**
- **Fire & Life Safety**
- **Building Automation**
- **Energy conservation**

- **Compliance reporting accuracy**
- **Policy & Procedure enforcement**
- **Improved operations efficiencies**
- **Improved documentation**
- **Reduction in down time**
- **Improved work place environment**

- **Less Personnel requirements**
- **Less downtime and increased productivity**
- **Life Cycle Management - preventive maintenance Improvement**

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Security Preparedness for every stage

**PREPARE**
- FSMA & HACCP plans - identify your threats
- Implementing technology to mitigate loss
- Returning to normal operation

**RESPOND**
- Mobilize, Track and Manage
- Neutralize Real or Potential Threats
- Streamline Communications

**RECOVER**
- Survey the Situation
- Track and Report Recovery
- Compile Data Analysis
# Solutions for the Citrus Industry

- **Health and Safety**
  - 5

- **Crisis Management**
  - 13

- **Operational Efficiency**
  - 17

- **Global Reputation**
  - 24

- **Technology as your Partner**
  - 28
Security - Protecting your Brand

➢ Large Facilities

➢ Larger Responsibilities
Health & Safety – Situational Awareness

- Total Awareness in your Facility
- Wide Area Perimeter Surveillance - 24/7
- Intelligence - multi-sensor data integration
- Auto Tracking – People, Objects, and Events
Health and Safety

Information Flow – When, Where and What?

- Movement
- Direction
- Speed (meters/sec)
- Height (meters)
- Width (meters)
- Location (meters)
Health and Safety
Prevention and Detection – How Technology can help

- Control Access to Critical Environments
- Enforcement of Policies and Procedures
- 100% Accountability
- 100% Authentication
- Real Time Situational Awareness
- Appropriate Reactions and Responses
- Data Analysis and Corrective Actions
Health and Safety
Keeping your people, your brand and the public safe

Ensuring only those with the proper clearance receive access

- Perimeter Protection
- Rules & Policy Enforcement
- Monitor & Track – People, Policies and Procedures, and all Activities – 24/7
Health and Safety
Ensuring smart policy enforcement

Example Policies

- No - *Escort Required Personnel* permitted in loading dock areas without proper supervision
- Only TWIC-carded personnel are permitted within 50 yards of storage areas
- While tankers are being filled, no Non-TWIC holder permitted within 100 yards of the transfer points
- No vehicles on property may exceed the posted speed limit of 15 MPH
Health and Safety

Violation of Policies and Procedures – What Happens?

- Escort Required Person in a secured area – Event Created
- Preset Policies and Procedures are initiated
- Work Flow is triggered
- Documentation during Event
- Documentation of all Actions
- Event review and analysis
- Policy Review and Corrective Actions
Crisis Management

- Health and Safety
- Crisis Management
- Efficient Operations
- Positive Global Reputation
- Siemens as your Partner
Crisis Management
Ensuring an intelligent response - on time, every time

- Immediate notification of incidents
- Geo-referenced display of objects within GIS
  - Resources
  - Events
  - Sensors
- Automated workflows
- Enforcement of all operating procedures
- Decision support
- Quick links to relevant information
Crisis Management

Employing sophisticated resource management

- Real-time communication with the field personnel
- Color-coded information of your resources:
  - Status and availability
  - Location
  - Skill set
  - Equipment
- Mobile communication
  - iPad / Torch
  - PDAs and other hand-held devices
  - Digital and analog radio
  - VoIP / analog telephony
  - Email / SMS / Fax
Crisis Management
Initiating mass notification

Inform all necessary parties of critical events quickly and efficiently via:

- Digital displays
- Email
- SMS
- Intercoms
- Loud speakers / sirens
- Computer popup messages
- Voice evacuation systems
Efficient Operations

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Efficient Operations
Complete situational awareness – Intelligent Video Analysis
Efficient Operations
Integrated Data Management

- Single point of management for all subsystems
  - Access control
  - Intrusion detection
  - Video sources
  - Mass notification
- Process improvement
- Reduced learning curve for new hires
Efficient Operations
Unified system management

- Personnel
- Equipment and Systems
- Communications
- Facilities
- Procedures
### Efficient Operations

Multi-sensor integration

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Efficient Operations
Flexibility and freedom of choice for vendor products

- Future proof your investments
- Provide standardization and interoperability
- Simplify installation regardless of brand
- Reduce training costs – teach only one system
- Reduce total cost of ownership with fewer integration costs
Efficient Operations

Generate Incident Reports – Using information to improve your operations

- Review system archives
- Survey impact on operations, assets and brand
- Track and report recovery efforts
- Compile data for post incident analysis
- Evaluate response for future process optimization
Industry Reputation

Quality Product, Quality Brand, Quality Personnel

- Satisfying your customers and vendors
- Providing a safe environment for transport, delivery and storage
- Using technology to ensure procedures are followed
- Using technology to also prevent security violations or policy violations
- Technology to improve efficiency and streamline your processes
One of the largest obstacles to sometimes overcome is operational costs

- Time - Cargo Manifest and Container Seal Inspections
- Delays - Due to procedure violations
- Documentation - Tracking of Inventory
- Limited Resources – Using Technology to increase accuracy, operational efficiency
- Improve your bottom line = $$ $$

Securing the Citrus Beverage Industry
Global Reputation for the Citrus Industry

Setting the standard with:

- Excellent procedures
- Automated policy enforcement
- Assisted decision making
- Intelligent response
Technology as your Partner

- Health and Safety
- Crisis Management
- Efficient Operations
- Positive Global Reputation

Technology as your Partner
Technology as your Partner

PREPARE

- Situational awareness technologies
- Automated plans and checklists

RESPOND

- Command & Control technologies
- Incident Management
- Mass notification

RECOVER

- Post incident analysis
- Follow up reporting
Technology as your Partner

Stable and Reliable

- Assurance in your Industry
- Continuity of your Brand

Innovation

- To improve your operational costs
- Security technology that improves accuracy

Global Impact

- Consumer Confidence in your product
- Continued growth in your markets
Thank you for your attention

Questions?