Industrial Security Capabilities
Honeywell Corporate Overview

- Founded in 1886
- 128,000 employees in more than 100 countries
- A $34 billion (2007) Fortune 100 company
- Global leader in advanced technology products, services and solutions
Honeywell Process Solutions (HPS)

Greenfield, Brownfield and Migrations
- Refining, Chemicals
- Oil & Gas, Power
- Life Sciences, Mining, Paper

Advanced Solutions

Lifecycle Services

Committed to building trust and relationships, while delivering operational excellence and innovative technology

$2.4B Revenue  10,000+ Employees  100+ Countries
Honeywell Industrial Security is Your One Source

- Global offices with local resources and decision making
- Turnkey security solutions
- In depth experience with a diverse market focus
- Comprehensive holistic approach
- Advanced technologies that incorporates flexibility and scalability through integration
- Strong global customer base
- Excellent safety record
- Recognized leader and trusted partner
• A paradigm shift has occurred whereby federal mandates addressing the emerging threats to America’s critical infrastructure are requiring companies to take a more proactive approach to securing their facilities
• A comprehensive Honeywell Industrial Security solution embraces those challenges
Industrial Security Challenges

- Meeting regulatory compliance (CFATS, MTSA, TWIC)
- Access control
- Theft reduction
- Litigation avoidance
- Cyber/Network protection
- Safer more secure work environment
- Reduce response times to incidents
- Improve decision making
- Improve efficiencies
Honeywell Experience

- Honeywell Industrial Security has over 40 years extensive experience serving customers in:
  - PetroChem (onshore/offshore, upstream, midstream and downstream)
  - Refineries and Chemical plants
  - Liquefied Natural Gas (LNG) terminals
  - National industrial infrastructure and government facilities
Total Security Offering

Honeywell Offers a Holistic Approach to Security

CONSULTATION
CONSULTATION
DESIGN
TOTAL SECURITY OFFERING
INSTALLATION
SERVICE
SERVICE
Total Security Offering

Honeywell’s Holistic Approach to Security

CONSULTATION

- Needs and risk assessments
  - Team development
  - Development of functional specifications
- Compliance reviews
  - CFATS
  - MTSA, TWIC
  - International mandates
- Site walkthroughs
- Installation site visits
- Site Security Plan development and review
- Access to 3rd party compliance resources
Total Security Offering

Honeywell’s Holistic Approach to Security

• Leading technology manufacturers for:
  – Access control
  – Video surveillance
  – Life safety, fire & gas
  – Perimeter and intrusion detection

• Complete system engineering
  – Fully integrated systems
  – Stand alone systems

• Bid spec development

• Licensed engineers and estimators

• Command monitoring centers

• Honeywell team members are CVI Certified
Total Security Offering

Honeywell’s Holistic Approach to Security

- Full project management
- Licensed and factory trained technicians
- Turnkey project management
- On-time and within budget delivery
- Adherence to site safety requirements
- Global footprint for enterprise installations
- System testing and commissioning
Total Security Offering

Honeywell’s Holistic Approach to Security

- Local licensed and factory trained
- Guaranteed service response times
- Local inventory
- Scheduled preventative maintenance
  - Software upgrades and migrations
  - System testing
    - Connectivity
    - Cleaning
    - Adjustments
  - Parts replacement programs
- 24 hr. technical phone support
Honeywell’s Holistic Approach to Security

ACCESS CONTROL (ACS)
Systems used to secure the access to a facility or an area. Includes locks, card readers, visitor/contractor badging, biometric readers, and software used for access authentication, asset tracking, mustering and site lockdown.

EXTENDED PERIMETER
Systems used to detect or protect approaching threats. Includes RVS and barriers for use near waterways and open areas beyond the perimeter.

PERIMETER INTRUSION DETECTION (PIDS)
Systems used to secure the perimeter of a facility or an area. Includes fence detection, PE beams tied back to a panel and reported through the software.

VIDEO SURVEILLANCE (CCTV)
Systems used to watch a facility. Includes cameras, housings, mounts, monitors and software used for security and process control.

COMMAND AND CONTROL
Control center that brings all systems together at a central point(s) on a single platform for event reporting and response.
Video Surveillance Solutions

Honeywell offers:

- Enterprise systems
- Intelligent Video Management
  - Honeywell Digital Video Manager
    - Alarm event verification
    - Analytics / motion tracking
    - Process video
- Command center design
- System integration
- Leading manufacturers
  - Honeywell standard systems
  - Custom engineered systems

Explosion Proof
Class 1, Div. 1

Pan, Tilt & Zoom

Honeywell DIGITAL VIDEO MANAGER (DVM)

Thermal Imaging Solutions
Access Control - Features

• Mustering capabilities are just one of the many features built into every access control system.

• Mustering allows:
  – Employee tracking during:
    • Drills
    • Emergencies

• Several other features include:
  – Anti-pass back capabilities
  – Time and attendance
  – Asset tracking
  – Distributive decision making
  – Remote lock and unlock
Access Control – Card Readers

- Honeywell can supply a wide range of card reader technology depending on the locating and use requirements.
  - Weigand interface for integration
  - Smart Card (contactless)
  - Biometric readers
  - Proximity readers
  - Intrinsically safe readers
  - Asset tags
  - Multi-technology (Prox + Keypad)

Honeywell Temaline™ Readers
Access Control Solutions

Honeywell offers:

- Scalable software platforms
  - Honeywell EBI – TWIC compatible
- Scalable hardware platforms
  - Honeywell Temaline™
- Intrinsically safe card readers

- Smart Card technology
  - TWIC / MTSA compliance
- Biometric technology
- Anti-pass back capabilities
- Asset tracking / muster reporting
- Distributive decision making

TWIC Smart Card

Honeywell Smart Card Readers

Honeywell Enterprise Buildings Integrator (EBI)
Perimeter Detection – Beyond

• A comprehensive Honeywell solution includes the protection of the extended perimeter.
  – Radar Video Surveillance
  – Vehicle Barriers

• Port side facilities have the additional need to protect assets that arrive by ship. We manufacture and sell a unique water barrier system for:
  – Rapid deployment
  – Water perimeter protection
  – Adherence to mandate requirements
Perimeter Protection Solutions

Marine Barrier System

Radar Video Surveillance

Vehicle Barriers

Turnstiles, Fences & gates

Integration with many best-in-class solutions
Perimeter Protection Solutions

Fence Line Sensors

Microwave Sensors

Photoelectric Beams

Buried Sensors

Integration with many best-in-class solutions
Process & Security Integration

Distributed Server Architecture

Common Alarms, Reports and Toolbars

Single Supplier Contact

Single Service Provider

Common Upgrade Path

No Proprietary Software Link

Removes Blame Game

Common Software Platform
Total Integrated Solutions

RADAR
Video Surveillance
Dock Control

PERIMETER & PIPELINE
Monitoring

ACCESS CONTROL
Mustering

VISITOR MANAGEMENT
Contractor Management

Video Surveillance / DVM
Process & Security

A Honeywell industrial solution brings together multiple security technologies and can integrate with process control, building control and other systems. The result: faster response and more informed decisions.
Strong Global Installed Base

- Alcoa
- Atlantic LNG
- Caspian Pipeline
- Chevron
- ConocoPhillips
- Dofar Power - Oman
- Dow Chemical
- DuPont
- ExxonMobil

- Freeport LNG
- Indian Oil
- Johnson & Johnson
- Phoenix Park Gas Processors
- Port of San Juan
- Qatar Petroleum
- Saudi Aramco
- Shell
- Spanish Nuclear
Honeywell Reference Site in Geismar, LA

- Perimeter Intrusion Detection
- Video Surveillance
- Asset Tracking

- Wireless Solar Powered Video
- Thermal Video
- Radar Video Surveillance
Summary

Honeywell:

• A trusted single source turnkey solutions provider
• A strong global presence
• Extensive experience in the industrial plant environment
• Excellent safety record
• A large installed base for industrial security
• Ahead of the competition in regulatory compliance
• Dedicated and ready

Expanding the Boundaries
Thank You