INDUSTRIAL SECURITY SOLUTIONS
Enabling Safer, Secure and Efficient Operations
Securing the Future

Honeywell’s industrial security solutions keep offshore and onshore facilities around the world safe and secure, protecting them from terrorism, theft and vandalism.

"Integrated command and control solutions are being preferred over individual surveillance, perimeter security and access control to cut down on maintenance and operating costs."
— Global Oil and Gas Infrastructure Security Market Assessment, Frost & Sullivan

With a portfolio covering industrial control, networking, field equipment and services, Honeywell offers a comprehensive security solution, backed by decades of experience and a worldwide installed base. Coupled with a consistent architecture that enables a seamless integration with process control and safety systems, these capabilities provide multiple benefits. They include reduced project risks, reduced operational complexity, lower maintenance and operating costs, increased operator effectiveness and safer, more secure operations.

Across the site and across the globe, Honeywell’s solutions enable facilities to do more with less, and enjoy a safer, more reliable, efficient operation.

An Integrated Answer

Honeywell’s Experion® PKS and Experion Industrial Security platforms offer a unified approach to control, safety and security. Video surveillance, access control and perimeter detection are tightly integrated with alarms and events raised in process and safety systems for intelligent, coordinated responses. A common, consistent operator interface and improved situational awareness results in better, faster decisions.

Operators can perform all system configuration, viewing, recording, archiving and retrieval of video from Experion PKS and Experion Industrial Security stations. A single security system operator login, meanwhile, simplifies the management of operators and access privileges.

Utilizing a consistent system and application architecture means reduced complexity during all stages of the project design, implementation, operation and maintenance.
Security From Day One

Honeywell believes in integrated answers at every stage of the project. Adopting our solutions at the start, owners, operators and EPCs enjoy better security during construction and greater control over project schedules, risks and costs for smoother project delivery. Remote monitoring of multiple construction projects can reduce headcounts and streamline operations.

On completion, our scalable and integrated security solutions easily transition from the construction phase into full operations, reducing waste and cutting the cost of additional work, equipment and training.
Keeping You Protected

Owners, contractors and operators use our systems and services to control access, safeguard key assets and equipment, improve situational awareness and improve emergency responses. We help sites achieve and maintain regulatory compliance, protect production, drive efficiency and develop site security standards and procedures for sustained performance.

Honeywell’s integrated security solutions bring benefits throughout the organization, for plant management, engineering and project teams, and emergency responders:

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End-to-End Solutions

Honeywell’s comprehensive security portfolio is suitable for every turnkey solution, expansion or upgrade. Products, systems and services address a wide range of industrial requirements.

“Annual estimates of equipment theft range from $300 million to $1 billion.”

Protect Your Reputation
Manage security for fewer incidents, better safety and consistent compliance, protecting your corporate image.

Protect Your People
Video surveillance triggered by events and alarms means better emergency responses, improved awareness and faster mustering.

Protect Your Productivity
Securing construction sites and lay-down areas we ensure start-ups on schedule and uninterrupted production.

Protect Your Process
Integrated solutions mean lower maintenance costs, greater efficiency and improved profitability.

Experion Industrial Security
Honeywell’s integrated security management platform encompasses access control, video surveillance, real-time mustering, perimeter intrusion detection and dynamic acoustic sensing. Operators benefit from fast, contextualized information with an intuitive interface for improved situational awareness, better decisions and effective incident responses. Highly scalable and configurable, Experion Industrial Security sets new benchmarks in operational efficiencies, reliability, cost-effectiveness and performance.

Digital Video Manager
DVM is our smart surveillance platform for security management, as well as the industry’s only enterprise-grade digital video solution for process control systems. Digital closed-circuit television surveillance increases security and operational efficiencies; automated event detection improves operator responses, acting as the next generation of process sensor. By providing a common video solution to meet the needs of both the security and control users, DVM provides increased situational awareness while reducing system costs, complexity and superfluous equipment.
With powerful features such as intelligent video analytics, operators can find what they need instantly, while tight integration automatically links recordings and real-time video to associated Experion PKS and Experion Industrial Security alarms and events.

**Honeywell Command & Control Suite (CCS)**
It transforms Safety & Security management of an industrial facility from an operational function into a driver of business continuity and efficiency.

With integrated incident response workflow, rapid access to information, contextual awareness and ease-of-use, CCS helps to reduce risk to business operations within your facility. Powered by Honeywell Experion Industrial Security, CCS seamlessly integrates facility-wide resources including Experion so you can command and control your facility with enhanced confidence.

Incident Workflow helps guide users through the decision-making and response process during critical safety & security situations. By seamlessly integrating emergency operations with Safety and security systems, Incident Workflow will help reduce risk, promote continuity and increase productivity throughout your business.

**Networking**
With a commitment to open standards, Honeywell’s security solutions boost integration and enable plants to leverage existing equipment for the lowest total cost of ownership.

OneWireless technology, meanwhile, provides maximum flexibility for temporary IT infrastructure and wireless video to accelerate schedules and accommodate perimeter changes during construction.

Our wireless communication solutions to connect remote video to central locations improve monitoring and control across the plant and business.

**Field Devices**
Honeywell’s portfolio of field devices offers the widest choice for surveillance, perimeter detection and access control:
- Land and marine radar
- Dynamic acoustic sensing technology
- Fibre optic-based pipeline monitoring
- Perimeter intrusion detectors, sensors and lighting
- Thermal, explosion-proof and harsh environment cameras
- Access control readers—biometric, smart card and mustering solutions
- Turnstiles, barriers and road blockers.

**Services**
Honeywell’s experts offer a range of consulting services, including security system design and proposal developments and estimates. Our project delivery capabilities are proven in a world-wide installed base.

We offer end-to-end support, from initial consultation, to design, engineering, commissioning and project management, as well as lifecycle support services and training.
Security for Every Project

Honeywell industrial security brings quantifiable benefits to any site: Greenfield or brownfield; onshore or offshore.

Controlling Greenfield Risks

- **Construction security:** Scaleable, mobile solutions and wireless surveillance grow with the construction site to protect perimeters and lay down areas. Access control protects restricted areas and aids with mustering.
- **Reduce project costs:** Avoid losses and delays from equipment theft; use access control and automated reporting for verification of contractor invoicing. A single security solution for construction and ongoing operations reduces costs of security and civil works.
- **Reduce the risk of schedule overruns:** Fewer, more effective field devices reduce installation times; better security lowers the risk of theft and long lead times to replace critical components; and seamless transition to full operations means minimal additional training.
- **Tackle resource constraints:** Honeywell’s consistent global project methodology and virtualization qualified software means our global human resources can be brought to bear as project demands dictate.
- **Do more with less:** An integrated control and security system with a common consistent human interface allows asset operators to easily assume a security role, reducing onsite headcount. Our forensic video analysis reduces investigation times and manpower required after events.

Optimizing Brownfield Operations

With Digital Video Manager, Honeywell is able to offer the world’s only enterprise-grade digital video solution for process control systems. Integrated with the Experion Process Knowledge System (PKS), DVM implements video as a next generation process sensor, boosting the effectiveness of the operator through automated event detection and improved situational awareness for quicker, more accurate responses to process upsets.

Users can implement video anywhere in the Experion interface, and configure automatic switching to cameras triggered by alarms and events—all viewed on a single screen. DVM also offers web-based secure access to video from anywhere on the network for an enterprise-wide solution that boosts collaboration between field staff, control room operators and other users.

Monitoring Offshore Assets

Honeywell video and networking solutions allow users to monitor single or multiple sites remotely. With digital video acting as eyes on the ground, and Experion Industrial Security fully integrated with the control system, owner/operators can reduce head counts in remote, inhospitable regions and boost efficiencies.

Automated responses and fewer exposed personnel mean higher safety levels, and collaboration across sites means better decisions for a smoother process. The result is lower costs with improvements to security, safety and production.
Experion Industrial Security Integration

Remote Assets
Pipeline/Land/Marine
Extended Boundaries

Perimeter
Deterrent/Visual Boundaries

Perimeter
Intruder Detection Monitoring

Lighting
Deterrent/Visual Surveillance

Access Control
Smart Cards & Biometrics Accountability

Intelligent Video
Surveillance & Assessment
Process/Security

Visitor Management
Contractors-Visitors Contractor Management

One-Wireless MESH

Integrated Enterprise-wide ICSS & Security Management

Emergency Responsiveness

Workforce Management
3rd Party Databases

LAN/WAN