

## Improve Factory Acceptance Efficiency, Safety, and Security with Wireless Technology



Greenfield project automation staging facilities can extend to very large areas to enable automation control system providers, EPC contractors and system integrators to design, assemble, integrate and test process control systems. These systems may be integrated with safety systems, fire and gas systems, instrumentation, vibration monitoring systems, PLCs, analyzers systems and advanced applications.

A staging area is similar to many plant facilities that include hundreds of expensive and sensitive equipment, such as cabinets, controllers, servers, and transmitters. In addition, hundreds of engineers enter the area on a daily basis and work after hours.

Wireless technology offers an innovative approach to improving the efficiency, safety and security of the personnel and equipment in the area.

managers can get update status in real-time and monitor the program more effectively.

### Ensure Safety

The facility's health and safety team needs to ensure staff safety at all time, including after hours. A wireless network with personnel awareness and safety system support allows the personnel working in the staging area to send an alarm to the security team via a push button in the case of an emergency.

### Improve Security

Wireless closed circuit TV (CCTV) is a cost effective way to improve and reinforce security at staging facilities where hundreds of servers, monitors and electronic devices are stored. Wireless cameras send data to Honeywell's Digital Video Manager™ (DVM), a scalable, digital, closed circuit TV surveillance system over the OneWireless network.

### Solution Overview

#### Honeywell's OneWireless Network

The OneWireless Network is an industrial multi-purpose wireless network designed for process control. OneWireless allows you to extend your process control network to the field and is intended to be used for process monitoring and supervisory control. The network is flexible, secure, robust, quick and capable of handling harsh environments. The OneWireless Network is composed of: OneWireless multinodes and managed with a single suite of software.

#### DVM and CCTV Cameras

Honeywell has a large portfolio of indoor, outdoor and low light cameras that enable users to choose the ideal camera for their application. For a staging area, indoor mini-dome cameras are integrated to DVM which integrates digital video controls and data with the Experion system. DVM allows the security team to monitor the staging areas after hours and in emergency situations. There's no need for the security team to leave their station to replace the tape in a VCR, activate a recording, or search for stored videotape. Through the intuitive interface, the



### Improve Efficiency with Electronic Processes

Traditionally, engineers walk back and forth between work areas with LAN connections and the staging area when they need access to a document stored on the network. With a wireless network covering the area, engineers can efficiently access electronic documentation when it is needed. Some companies use electronic checklists (database, excel spreadsheet) with digital signatures. Teams can now complete checklists electronically and synchronize the data wirelessly. Program

security staff can control camera functions such as pan, tilt, and zoom (PTZ), enter recording commands, and simultaneously view high-quality live images. They can also record and play stored video from a single camera.

### **Honeywell Instant Location System**

Honeywell's Instant Location Solution (HILS) is an industrial solution harnessing proven identification and location

technologies within one easy-to-use solution to locate and track mobile objects in real time. Long range, precision RFID personnel tags with push button capability allow personnel to send an alarm to the process control system or security system. The position of the personnel is obtained through receivers implemented in key locations within the staging facility.

### **More Information**

For more information on any of Honeywell's wireless solutions, visit [www.honeywell.com/ps/wireless](http://www.honeywell.com/ps/wireless) or contact your Honeywell account manager.

### **Automation & Control Solutions**

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