

Wireless Solutions

Honeywell



**OneWireless Solutions
Simple. Safe. Secure.**

Choose Honeywell for simple, safe and secure wireless solutions.

WIRELESS SOLUTIONS EXTEND PROCESS AUTOMATION BEYOND THE CONTROL ROOM



Honeywell IntelTrac PK5 enables automated field data collection over a wireless network.

From the field to the control room, Honeywell's OneWireless™ solutions deliver simple, safe and secure wireless-enabled applications that extend access to critical process information. As a technology and services leader, Honeywell has the expertise to ensure that wireless-enabled applications save not only installation costs, but total lifecycle costs.

Honeywell's OneWireless network provides industrial manufacturers with one optimized multifunctional network that supports many applications with comprehensive end-to-end security. Supporting a mobile workforce, Mobile Station technology, an extension of Honeywell's Experion® Process Knowledge System (PKS), enables engineering, operations and maintenance personnel to safely capture and share process data locally at the source. And, Honeywell's XYR family of industrial wireless transmitters enable automated variable monitoring in areas difficult to access with hard-wired devices.

More Value with Less Wire

Armed with a broader range of consistent data, users can improve product quality, maximize uptime, reduce costs and achieve regulatory compliance. Using a wireless network makes it affordable to place devices wherever you need them to obtain better information about your process and assets and integrate that information with asset management tools and advanced applications. Without wire, users experience faster startups, accelerated profits, safer operations and savings up to \$40 per foot, or more.

Honeywell's wireless transmitters give you the ability to safely transmit data from areas where hard-wired measuring devices have been too costly, difficult or time consuming to install.



"We chose to use Honeywell's wireless pressure transmitters because this technology made it possible for us to reduce our costs by more than 37 percent in development, installation, engineering, mounting, startup and maintenance. I would recommend Honeywell for all applications that need reliable and secure monitoring and measurement."

—Sergio Iurchuk, Project Engineer, Repsol YPF

Simple

With easy configuration tools and expert services, Honeywell's wireless solutions are simple to install and maintain. We take the best industry technology and ensure it meets industrial requirements. Our wireless transmitters feature predictable power management that preserves battery life, making it simple to maintain the devices. Solutions are scalable and hardware is built for easy maintenance and a long lifecycle.

Safe

Honeywell's solutions use proven technology to support reliable communications. With the largest wireless installed base, we protect your investment with backwards-compatible solutions and simple migrations forward.

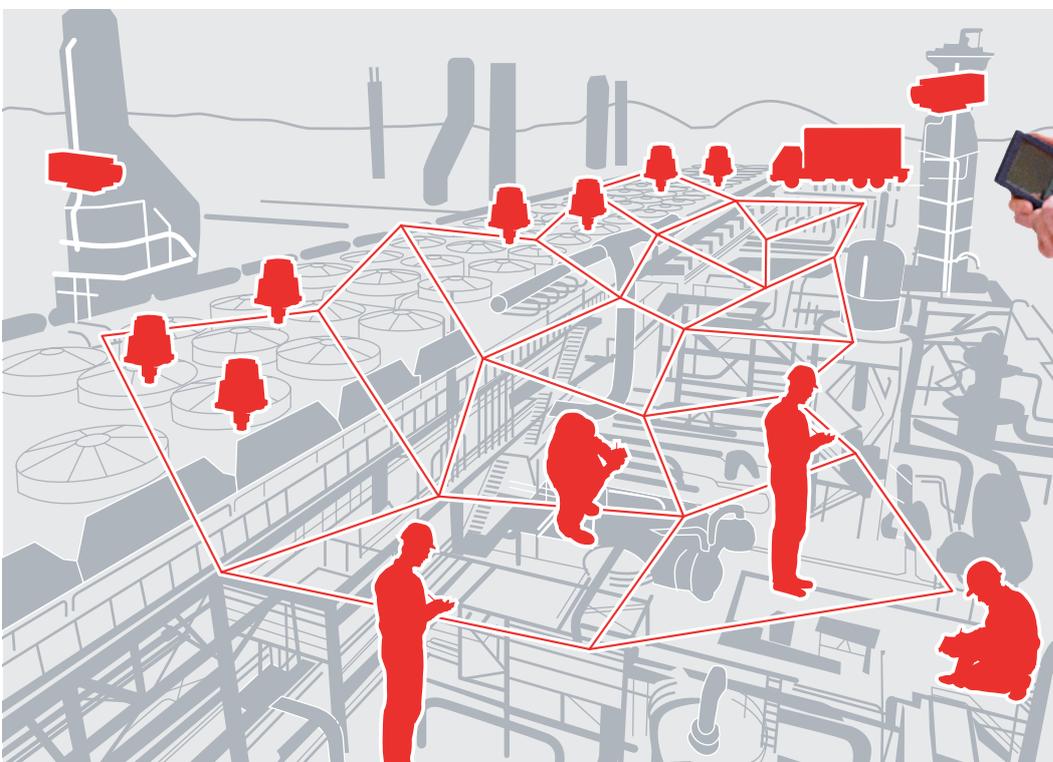
Secure

Honeywell designs security into our products and offers award-winning services to assess, design and implement secure networks. Our redundant OneWireless network features end-to-end security with device authentication, Advanced Encryption Standard (AES) and managed message routes. With one versus multiple wireless networks, security is consistently managed within one infrastructure. Our wireless transmitters use proven frequency hopping spread spectrum technology, message sequence numbers and AES128 bit encryption keys with 64 bit message integrity codes for strong end-to-end security. Mobile tools are protected under Experion's high security network architecture with firewall and password protection.



Honeywell Makes Wireless Solutions Simple, Safe and Secure, So You Can:

- Optimize plant productivity by gathering previously unavailable data
- Ensure plant, environment and employee safety
- Meet regulatory compliance with cost-effective solutions
- Improve asset reliability by automating field operator rounds and gathering additional data
- Improve reliability with continuous equipment health monitoring
- Support a productive workforce with a fully functional mobile operator station environment and a collaborative decision-making environment



Host Multiple Applications with the OneWireless Network

Honeywell's multifunctional wireless mesh network supports multiple applications within one robust and secure infrastructure. With comprehensive end-to-end industrial security, this network supports field instrument transmitters and 802.11 devices to minimize network management and maintenance. It also supports multi-speed monitoring and is control ready with built-in redundancy and managed message routes.

Improve Productivity with Mobile PKS

Honeywell Mobile PKS applications provide secure access to process information to capture and distribute across operations.

IntelaTrac PKS Automates Field Data Collection

IntelaTrac PKS allows field personnel to integrate field inspection data and asset management functions with control room operations. Featuring integrated radio frequency identification (RFID) technology, it automates field data collection to improve data integrity and asset management. IntelaTrac PKS also integrates enterprise asset management systems and supports a wide range of portable add-on devices, including temperature probes, vibration guns, ultrasonic nondestructive test devices and calibration devices.

Using IntelaTrac PKS, operator rounds, data collection and inspections can be automatically scheduled and downloaded from the Experion platform, instruments can be identified and data can be validated using RFID tags. The collected data can then be uploaded from the field for use by the system, control room operator and technicians. Supplemental equipment data can be also be quickly accessed.

Mobile Station Provides Remote Access to Control System Information

Mobile Station provides secure control system information to remote users. The same Experion station display graphics created with HMIWeb technology are available to both the control room operator and the mobile operator, simplifying engineering and operations. With multiple architecture options, each solution is optimized for specific customer applications, ranging from read-only intranet access to full control.

XYR Transmitters Extend Data Acquisition and Monitoring

The XYR family includes 900 MHz and 2.4 GHz field instrument devices for accurately monitoring and measuring gauge pressure, absolute pressure, temperature and ultrasonic noise (for detecting steam and gas leaks). An analog input interface is available for adding wireless capabilities to wired devices. Transmitters send measurements securely to the mesh network in a redundant mode, avoiding signal interference by employing a frequency hopping spread spectrum technique.

Ensure Safety with Honeywell Instant Location System

The Honeywell Instant Location System (HILS) has harnessed proven identification and location technologies within one easy-to-use, industrial solution to help locate personnel and track mobile objects in real time. Knowing the position of people and assets is valuable for reinforcing safety practices and improving security. Whether standalone or as part of the OneWireless network, HILS integrates with process control systems to use location information as part of a process interlock or automated procedure.

*Experion is a U.S. registered trademark and OneWireless and XYR are trademarks of Honeywell International Inc. IntelaTrac is a registered trademark of SAT Corporation.

More Information

For more information about Honeywell's simple, safe and secure wireless solutions, contact your Honeywell account manager or visit www.honeywell.com/ps/wireless.

Automation & Control Solutions

Process Solutions

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