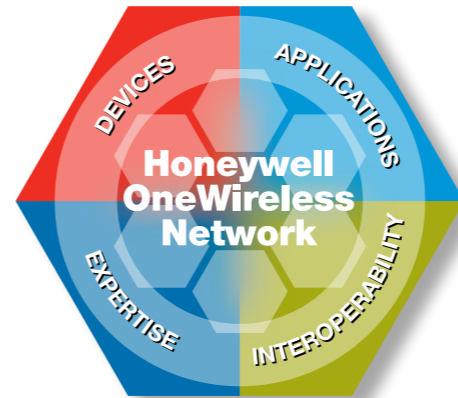




Superior Wireless Networks  
Flexibility and Performance



## The Only Complete Provider of Industrial Wireless

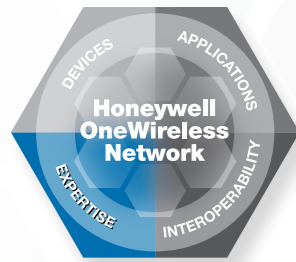
Wireless technology is changing every aspect of industrial automation in the same way it is changing our everyday lives.

To take advantage of this technology, you need a partner who offers a consultative approach to not only solving the real problems at your site but also facilitating your plant's business objectives in the fastest and most cost-effective way.

From the field to the control room, Honeywell offers solutions for every situation in your plant—from a simple field instrument mesh network used to improve the efficiency of a burner to a plant-wide wireless mesh infrastructure used to monitor regulatory and control applications.



*From the field to the control room, Honeywell wireless technology allows you to seamlessly extend your process control network into the field.*



# OneWireless Network

## Reliable, Flexible, Scalable

Start with a simple, wireless field instrument mesh and grow into an integrated, wireless plant-wide network with wired-like performance.



DCS Connection

### Plant-Wide ISA100 Mesh Network for Multi-Applications

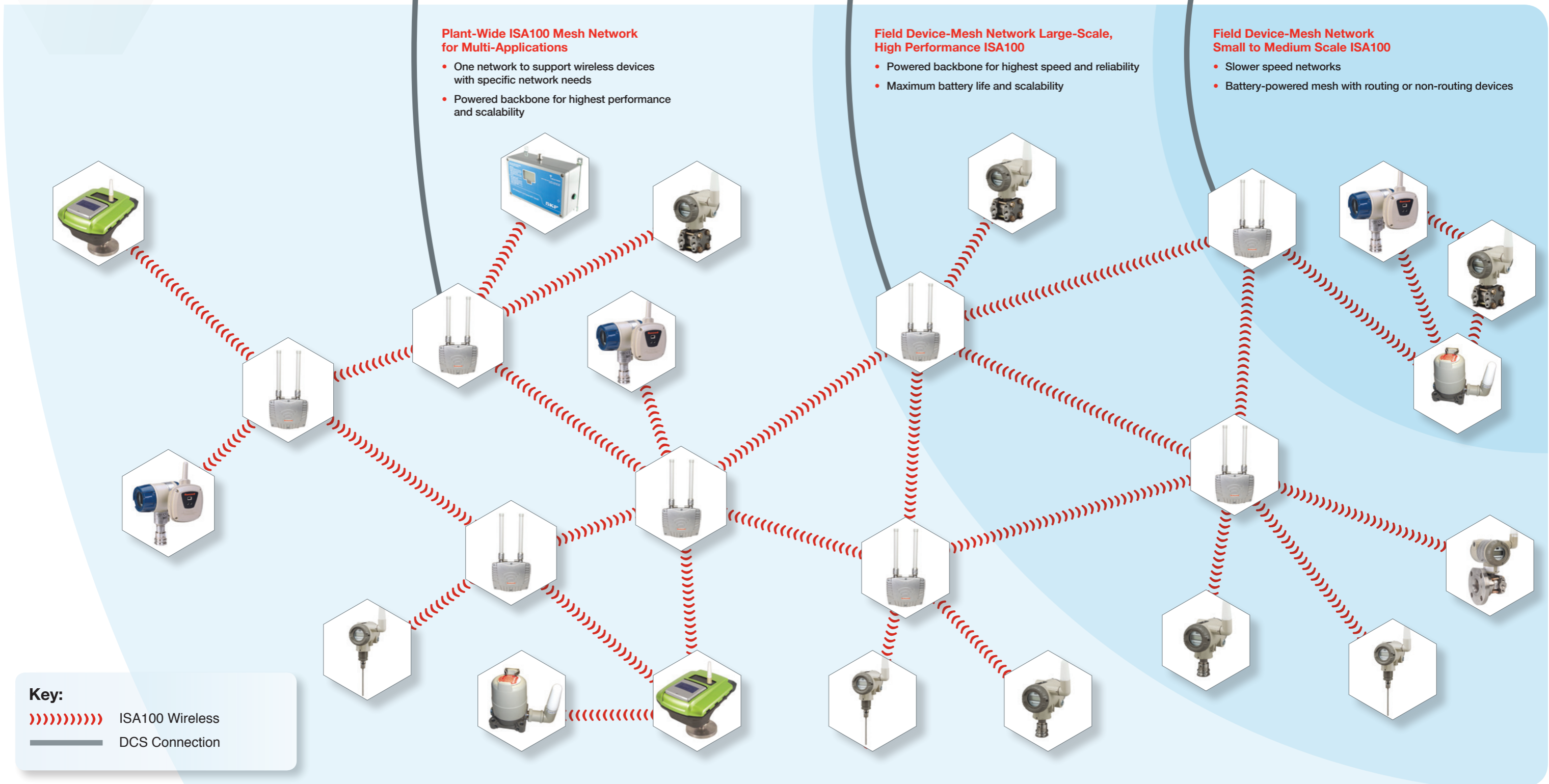
- One network to support wireless devices with specific network needs
- Powered backbone for highest performance and scalability

### Field Device-Mesh Network Large-Scale, High Performance ISA100

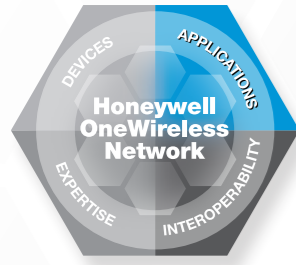
- Powered backbone for highest speed and reliability
- Maximum battery life and scalability

### Field Device-Mesh Network Small to Medium Scale ISA100

- Slower speed networks
- Battery-powered mesh with routing or non-routing devices



**Key:**  
))))) ISA100 Wireless  
———— DCS Connection



# OneWireless Network Advantage

Native integration with Experion® allows you to easily exchange data between your Experion control system and ISA100 Wireless devices.



Experion PKS nodes communicate directly with the Honeywell OneWireless™ Wireless Device Manager and ISA100 Wireless field equipment using the Experion PKS CDA communication protocol. Once installed in the field, ISA100 Wireless devices are automatically recognized by Experion and are quickly configured for monitoring or control applications.

Beyond native integration to Experion, the OneWireless Network can transmit wireless data to existing HART, OPC or MODBUS applications. Wired or wireless, your engineering investment in existing applications is preserved.

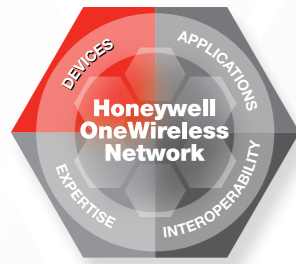
# Customized Applications For Your Facility

As the world leader in industrial wireless, Honeywell has installed hundreds of wireless applications around the world. While the requirements for each installation may vary, each project shares the ultimate goal of increasing efficiency, safety and reliability. The chart below shows a few examples of our custom applications.



Wireless Application	Chem	O&G	MMM	Power	Refining
Advanced Process Optimization	•	•			•
Compressor Temperature Monitoring		•	•	•	•
Cooling Water Usage Optimization			•		•
Corrosion Monitoring	•	•			•
Fan and Conveyor Monitoring		•	•	•	
Flame Monitoring	•	•			•
Floating Tanker Pump Monitoring		•			
Heat Exchanger Monitoring		•		•	•
Valve Monitoring	•	•		•	•
Resin Batch Quality Control	•				
Rotating Kiln Monitoring			•		

Chem—Chemical; O&G—Oil and Gas; MMM—Mining, Metals and Minerals



# Offering the Most Choices in Wireless

Honeywell offers a complete portfolio of products including: network infrastructure; data access and mobile computing devices; safety and security products; specialty products for applications such as tank level, vibration and corrosion monitoring; and field instrumentation for temperature, pressure, voltage, acoustic, and position monitoring.

## Ethernet/WiFi Devices & Applications

**XYR 3000**  
900 MHz  
Ethernet Modem



**XYR 3000**  
2.4 GHz  
Ethernet Modem



## Network Infrastructure Equipment

**Wireless Device Manager**  
ISA100 Network Manager



**Field Device Access Point**  
Backbone Router



**Field Device Access Point**  
Meshing Field Router



## XYR 6000 Transmitters

**Pressure Differential**



**Temperature**



**Valve Position Sensor**



**Flow**



**Universal I/O**



**Pressure Gauge/Absolute**



**Pressure Flange Mount**



**Pressure Remote Seals**



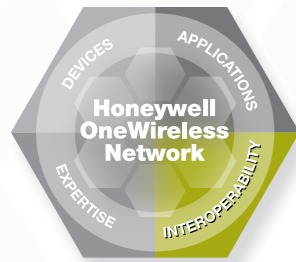
**Corrosion Transmitter**

## Field Instruments

**Flexline**  
Radar Level Gauge



**OneWireless Adapter**  
for HART Devices

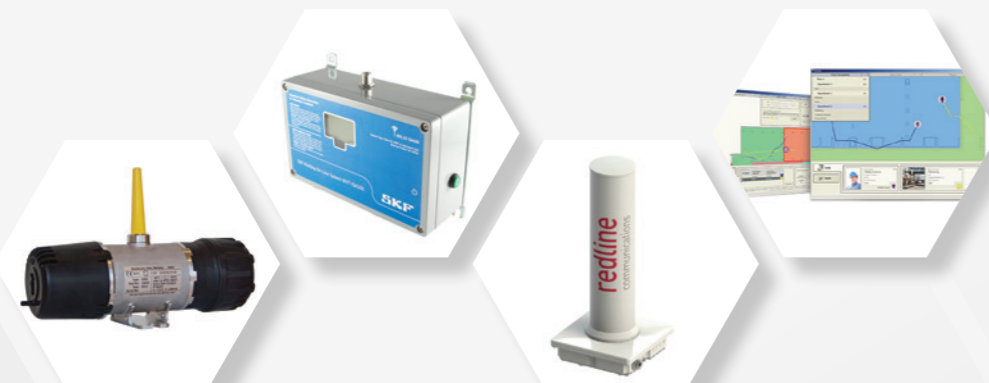


# PKS Partners

PKS Advantage™, a Honeywell-sponsored collaborative program that engages other leading industry suppliers, integrates partner products with Honeywell's Experion system and wireless solutions.

This program gives you even greater flexibility in choosing the solution that is best for your industrial site. PKS Advantage partners work closely with us to provide solutions that deliver improved asset availability and effectiveness; optimized process throughput and work processes; and lower costs of ownership, operations and maintenance.

Partner	Description
GasSecure	GasSecure has developed the world's first wireless optical gas detector for demanding industrial applications. Gas detectors are used for fixed hydrocarbon leakage monitoring and safety applications. Ease of installation reduces costs and adds significant flexibility compared to wired systems.
Purelink	Purelink's Real-Time Location System simplifies emergency evacuations, mustering reports and headcounts. Automatic sign-in and sign-out of workers in hazardous production areas with Purelink's products (RFID and Wi-Fi tags/badges and RFID receivers) reinforce compliance to security and safety protocols.
Redline	Redline Communications is the leading provider of rugged, wide-area broadband wireless products used worldwide to deliver high speed, real-time connectivity for critical machine-to-machine communications and distributed applications anywhere, anytime. Redline provides the capacity, range, and reliability for increasing oil production and reducing costs.
SKF	As the world leader and innovator in bearing technology, SKF provides a unique understanding of rotating equipment and how machine components and industrial processes are interrelated. It delivers wireless and wired vibration products, mechanical services, reliability services, and protection and condition monitoring technologies.



"With Honeywell's OneWireless solution we were able to gain quick access to our plant data, meet stringent environmental requirements and save money by avoiding hard-wired costs. We are very impressed with the dedication of both our plant maintenance team and the Honeywell services team."

— Ricardo Trujillo, ENAP Aconcagua Refinery

"Honeywell's OneWireless system has given us a comprehensive solution. It allows us to transmit the real-time data we needed to the Profit Controller as well as measure such data from Honeywell's wireless and conventional instrumentation. Now we can gauge and manage the thickeners' levels and flows, and the efficiency of the whole process has greatly improved."

— Guillermo Cortés, Concentrators' Automation Leader, Codelco

"HPCL is committed to safe and reliable operations, adopting best practices to achieve sustainable operational excellence. Honeywell has proven to be a worthy partner and its hand-held computers have helped us improve product quality, machinery availability and increase profits."

— Sateesh Kumar, Operations Manager, HPCL, Mumbai Refinery

"We needed to find a way to monitor which units were adding load on our flare gas recovery unit, so that we could proactively work to eliminate the sources of the load. Honeywell's OneWireless solution enabled us to remotely monitor and track this data and improve our decision making. Our engineers love the solution, and with 10 multinodes in place we have a solid infrastructure upon which to base future wireless initiatives."

— Tom Rhein, Project Engineer, Frontier El Dorado Refinery



## Superior Wireless Networks Flexibility and Performance

Scan this QR Code to see how Honeywell's portfolio of wireless field instrumentation products can enable you to manage your plant assets and optimize your entire enterprise with solutions that are easy to configure, operate and maintain.



*Experion® is a registered trademark, and OneWireless™ and PKS Advantage™ are trademarks of Honeywell International, Inc. All other trademarks are the property of their respective owners.*

### **More Information**

For more information on Honeywell's wireless solutions, visit [www.thewirelessplant.com](http://www.thewirelessplant.com) or contact [wireless@honeywell.com](mailto:wireless@honeywell.com)

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