Smart Wireless Solutions for Plant Operations
Start anywhere, go everywhere.
Operations can run production with greater confidence in automation, managing process operations for optimal throughput, quality and availability while reducing overall cost of operations.

With Smart Wireless, the benefits of PlantWeb can be extended to applications ranging from process and asset monitoring to workforce productivity and business and plant management.

Emerson Smart Wireless makes extending your “information reach” easy and affordable, enabling you to unleash your imagination and operation.

Emerson’s Smart Wireless solutions extend PlantWeb’s predictive intelligence into areas that were previously out of physical or economic reach, opening the door for new possibilities in process improvement.

PlantWeb is the first proven digital plant architecture, grown from a network of predictive intelligence and integrated software, that delivers reduced project risk and better operations.

From measurement and control devices to mechanical and process equipment, you can gain access to not only more data, but better data, validated at its source to ensure reliability.

The information PlantWeb delivers – whether wired or wireless empowers your staff. Real-time diagnostics enable decision support throughout the enterprise to improve business performance.

Greater output. Lower costs.

SMART WIRELESS EXTENDS THE BENEFITS OF PLANTWEB

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With Emerson Smart Wireless solutions, you can start anywhere based on your highest priority needs, and easily expand the solutions over time. Smart Wireless solutions use the most proven, reliable technology that’s right for the application. All Smart Wireless devices, gateways, access points and software use wireless communication standards and have gone through rigorous coexistence testing to insure seamless integration.

Wireless applications fall into two distinct categories, based on their unique technical requirements: wireless field applications and wireless plant applications.

**Wireless field applications** include field devices that enable asset or process monitoring or control in harsh, dense, or remote areas. Wireless field devices can be installed for less cost than wired technologies, so your investment return is almost immediate. You can quickly and easily eliminate “blind spots” where it was previously too difficult or expensive to install wired instruments.

**Requirements**
- **Low Bandwidth**
- **Quality of Service** High priority communications
- **Security** Robust, multi-tiered security through advanced encryption, authentication, verification, key management, and anti-jamming
- **Reliability** Self-organizing mesh network that does not require line of sight and achieves greater than 99% data reliability
- **Power** Batteries must last at least 5-10 years in harsh environments
- **Standards-based** WirelessHART (Driven by process community)

**Wireless plant applications** include business and operation applications, such as mobile worker, safety mustering, and video monitoring. Wireless plant solutions seamlessly integrate with the wireless field network.

**Requirements**
- **High Bandwidth**
- **Quality of Service** Multiple applications must share the available bandwidth
- **Security** Multiple layers of protection, including admission control, intrusion prevention, encryption, authentication, authorization, and rogue device detection
- **Reliability** Controller-based, centrally managed Wi-Fi mesh network that performs load balancing, real-time radio resource management, device failover, and prioritization of all communications on the network
- **Power** Devices are either line powered or re-charged daily
- **Standards-based** IEEE 802.11 Wi-Fi (Driven by IT community because it applies to many industries)
Emerson Smart Wireless solutions for field instrumentation help you cost-effectively touch more of your plant with predictive intelligence than ever before...with an installed cost savings over wired technologies.

You can eliminate “blind spots” in your plant where it was previously too difficult or expensive to install wired instruments.

Emerson Smart Wireless solutions for field instrumentation delivers:

- Low installation costs over wired
- Unparalleled ease-of-use
- Greater than 99% data reliability
- Seamless integration
- Control-ready wireless network

The Smart Wireless approach gives you the freedom to have as much or as little wireless as you want. You can begin with process monitoring or control applications, and start achieving the same improved operations that so many others are experiencing today.

Imagine the possibilities... ...with Smart Wireless solutions for field instrumentation.

SEE YOUR PLANT IN A WHOLE NEW WAY

Emerson Smart Wireless Field Starter Kit is the risk free and easy way to experience wireless benefits.

To learn more, or to request a quote visit: www.EmersonSmartWireless.com/FieldKit

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Mobile Worker

Mobile worker solutions can dramatically improve productivity by using cutting-edge wireless technology to provide instant access to process control data, maintenance information, and operation procedures. Eliminate the paper trail and transcription errors by wirelessly connecting the field operator to the process.

Field Data Backhaul

Field devices are often widely and remotely distributed throughout a plant – across roads and hills, or on mobile platforms like railcars, barges or trucks. Wireless field data backhaul solutions integrate field instrument data with the process control system at significantly lower cost and implementation time over wired solutions.

Video Monitoring

Wireless video solutions provide a quick and cost-effective approach for security and process monitoring. Real-time video feeds greatly help to improve security and safety. Video tracking of certain process emissions enables better environmental compliance.

Safety Mustering

In the case of an emergency situation, a wireless safety mustering solution can help identify personnel gathering at mustering stations in real-time. Your people can be quickly and automatically identified, confirmed, and recorded.

Location Tracking

Wireless location technologies allow you to quickly find your people and movable assets. Time spent accounting for your people or your equipment can be dramatically reduced, which can have significant benefits during turnarounds or emergencies.

Control Network Bridging

Often times the control room is remote from a controller, or separated by an obstruction like a road or body of water. Installing fiber-optic cable is expensive. Wireless technology can easily connect control system units securely and cost-effectively.

Imagine the possibilities...

IMPROVE PRODUCTIVITY AND SAFETY – FOR YOUR PEOPLE AND YOUR PLANT

Emerson Smart Wireless solutions for plant-wide operations leverage industrial Wi-Fi technologies and applications to enable greater workforce productivity and safety, as well as improved business and plant management. Wireless technologies can provide benefits that were previously not available because it was too expensive or simply not possible to implement. With Emerson Smart Wireless solutions, the possibilities are truly limitless.

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Emerson’s Smart Wireless solutions are completely scalable, allowing you to start anywhere and grow, with full confidence that you can easily expand the scope of your wireless implementation. You don’t have to start with an extensive wireless infrastructure. You can start small, and continue to add applications.

For example, you can start with a remote wireless field application, such as tank farm monitoring, and use Wi-Fi to bring data to the control room. Later, you can expand the network to add a small-scale wireless mobile worker application.

When the time is right, expand the wireless plant network coverage and utilize RFID tags for location tracking and add wireless video capabilities. Over time, add more devices and continue to expand wireless network coverage for more applications.

FIELD DATA BACKHAUL

Process units can be widely and remotely distributed across areas including obstructions such as roads, bodies of water, or difficult terrain, or on mobile platforms like railcars, barges or trucks. Such situations can make it very difficult and expensive to automatically collect and integrate process data. Now, with Smart Wireless solutions, process measurements that were physically or economically out of reach can be easily installed for far less money than wired instrumentation.

Smart Wireless solutions easily close the information gap. Wireless field devices collect process data and Wi-Fi provides backhaul to integrate the remote measurements with the process control system.

Increased Process Visibility
Emerson Smart Wireless solutions enable you to cost-effectively collect additional process measurements. You can eliminate clipboard rounds and enable increased process visibility for applications such as, remote tank farm monitoring, well-head monitoring, rotating or moving equipment, and areas that are otherwise out of reach.

Reduced Cost
Wireless technology can dramatically reduce installation costs over wired data integration by eliminating most of the cabling, conduit, labor, and engineering costs associated with trenching fiber-optic cabling across distances that can stretch many miles.

Reduced Implementation Time
Wireless technology reduces the time required to engineer and install new field instruments by eliminating the need for wiring design and cable installation.

Wireless process measurements can be easily added in the time it takes to join the wireless device to the network, install it into the process, and commission the device into the control system.

Scalable Solution
At any point you can grow your access point network coverage to build a Wi-Fi mesh backhaul adding multiple wireless field networks throughout your facility.

Remote or obstructed field data...

...can be integrated with your control system easily and cost-effectively.
MOBILE WORKER

Emerson’s Smart Wireless solutions for the mobile worker can dramatically improve productivity and efficiency by using cutting-edge wireless technology to provide real-time process data, predictive intelligence from plant assets, and knowledge sharing among workers.

Operators can leave the control room and still have a live view of the process and monitor for alarms and events from anywhere within the plant. Field operators and maintenance personnel can use ruggedized or classified PCs or PDAs to wirelessly access process data and business applications. Field personnel can follow real-time work instructions to perform operations, use process data or asset data for troubleshooting, document work status, or collect information with integrated barcode technology.

Improved Productivity

With real-time information from control and asset management systems, field workers can resolve operational problems much faster. Mobile worker applications allow them to report observations, perform procedures, communicate with the control or asset management system, and initiate or execute work orders.

Improved Equipment Maintenance

Wireless tools such as handheld PCs allow field workers to access equipment histories, instructions, and other diagnostic information on the spot. This data help maintenance personnel debug equipment problems much more efficiently. Mobile workers can immediately track or report inspections, tests, and repairs.

Improved Operation Accuracy

Task lists, work procedures, and operation guidelines can be electronically accessed. This functionality helps field workers to finish process operations more accurately. The work completed by the operators is recorded, transferred, and synchronized with control or maintenance systems in real time, helping to reduce errors.

Unleash your workforce... with real-time process data in the field with wireless mobile worker solutions.

DeltaV Operate mobilizes your operators and allows them to monitor and even control your process from anywhere within the plant. They no longer have to rush to perform actions away from the central control room. DeltaV comes installed on the Class 1 Div 2 handheld PC and securely communicates with the central DeltaV control system through the wireless plant network.

The wireless plant network mobilizes plant operators by allowing them to securely communicate with the central Ovation control system. No longer tied to the central control room, they can monitor, maintain, and even control the process from anywhere within the plant. Ovation remote access works with tablet or industrial handheld PCs, some with suitable zone classifications.

AMS Device Manager mobilizes maintenance and reliability personnel by enabling live access to smart field devices from anywhere in the plant. They are always connected to the AMS Device Manager system with a single tool to manage all devices. Tasks that must be done at the device such as performing partial/full stroke or proof tests of safety valves are easier and more accurate.

Emerson’s Syncade™ Smart Operations Management Suite enables the mobile worker to be more productive. Wireless communications enable access to relevant documents, guidance through procedural steps with work instructions, confirmation of proper equipment and materials, authorization of actions, and automatic data collection. The mobile worker can do more in less time and reduce variability in operations.

Video monitoring in manufacturing facilities has traditionally been used as a security function for the benefit of viewing events gone by—if used at all. This is still very useful, but thanks to advanced network technologies, wireless video can serve as a more vital component. More and more plants are actively incorporating video into their risk management and operations programs to improve plant security, personnel safety, process operations, and environmental compliance. With the right implementation, plants can realize significant benefits and improve the bottom line.

Emerson’s Smart Wireless solution for video monitoring uses industrial grade wireless cameras to communicate data to a central recording system that allows for live viewing, playback, and historical archiving. Emerson offers best in class discreet camera and positioning systems including explosion-proof and pressurized camera enclosures, high-security housings, video matrix systems, and advanced digital video recorders and thermal imaging systems.

Real-time video monitoring, event documentation and improved situational awareness can provide immediate benefits in these key areas:

**Security**
Security requirements by federal, state, and local officials can be met quickly and cost-effectively with a wireless video deployment that monitors the area perimeter, entry points, and remote locations at a much lower cost than a wired video solution. Advanced video analytics software can be used to automatically detect suspicious events or behavior without having to continuously monitor dozens of screens.

**Safety**
In hazardous areas of your plant, having an electronic eye on potential problem areas can help reduce personnel exposure to areas of risk and can quickly alert you of spills or emergency situations. Real-time video monitoring can also enable an additional “all clear” visual before the execution of a process start-up, shutdown, or turnaround.

**Process Efficiency**
Wireless video cameras in remote locations or in the field can enable more effective communications between remote sites and control rooms for improved troubleshooting. Mobile wireless video conferencing technology can quickly connect people with remote sites on demand and in real time. Thermal imaging enables monitoring of high-temperature applications and assets that are subject to overheating to provide early warning for prevention of abnormal situations.

**Emissions monitoring**
With video monitoring for plant emissions, fines can be kept to the minimum through accurate demonstration of exact start and stop times to regulatory officials should an emissions excursion occur.
CONTROL NETWORK WIRELESS BRIDGE

Bridge the gap...

...of your plant’s physical distances and obstacles with a control network wireless bridge solution.

Often times the control room is remote from a controller, or separated by an obstruction like a road or body of water. Wired communication links can be cost prohibitive or impractical. Wireless technology can easily connect control system units securely at lower costs. Control network wireless bridging is a stand-alone solution to allow fully redundant wireless communications.

Eliminate Islands of Automation
A wireless bridge between two DeltaV or Ovation automation system units is a seamless solution that can integrate these islands of automation to enable plant-wide data integration.

Reduced Cost
Wireless technology significantly reduces the cost of bridging remote unit connections by eliminating the cost of the cabling, conduit, labor, as well as the engineering costs of laying cable across large distances, difficult terrains, or public property. Wireless bridging solutions also allow you to shorten deployment time, so you can quickly enable new applications that are not available in the remote area.

Expand Control
Wireless solutions allow you to expand an existing control system to manage new process areas that could be operated and controlled over a redundant wireless communication link from a new remote control room separated from the existing control room. The wireless bridge saves the cost of trenching and installing fiber optic cables. It also eliminates any risk inherent with trenching within a live process area.

Control System Bridging Expertise
Emerson experts will work with you to determine the needed requirements for your specific process application to ensure that you can maintain control – even during process upsets when high bursts of communication occur. Emerson provides applications and guidance for monitoring the wireless network proactively to provide early warning of potential communication outages. Emerson will also work with you to create appropriate control strategies and best practices for operating the remote unit of your process wirelessly from the control system.

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**SAFETY MUSTERING AND EVACUATION**

Workforce safety is your highest priority. Having full visibility to personnel location and hazardous areas is extremely critical to an efficient evacuation in case of an emergency. Accounting for your people in a real emergency with clipboards and walkie-talkies is time consuming and difficult when every moment matters.

**Real-Time Monitoring**

With a Smart Wireless solution for safety mustering, during emergencies and drills, personnel entering a mustering station are automatically confirmed and recorded via an RFID Wi-Fi tag that they wear. Instant reports and map identification can be viewed in order to monitor the evacuation in real-time.

**Regulatory Compliance**

A wireless safety mustering solution can reduce or eliminate fines resulting from poor performance in regulatory safety drills.

**Event Recording**

Reports provide accurate mustering data and event recording. You can automatically view personnel status as signed-in, mustered, or off-site.

**Location tracking**

Location tracking of people, equipment, or goods provides better visibility and enhances plant safety. Emerson’s Smart Wireless solution for location tracking uses receivers, annunciators, and RFID tags to accurately monitor people and asset locations. The solution integrates Wi-Fi, chokepoint, and RFID technologies in a single network infrastructure to address different location tracking needs.

**Specified Area Location**

Chokepoints within specified areas of the plant are monitored using RFID annunciators. Operators viewing an onscreen dashboard of the site can see which area a person or asset is located in. Chokepoint technology provides instant and accurate alerts of movement from one area to another, including hazardous or restricted areas.

**General Area Location**

Received Signal Strength Indication (RSSI) within a general area Wi-Fi mesh infrastructure enables personnel or asset location estimation within a general area. Location information is displayed to central control room operators, allowing them to locate a specific asset or direct the nearest person to a plant anomaly or maintenance situation. General area Wi-Fi coverage also enables Distress Alerting. Personal RFID tags equipped with a panic button can send an immediate alert to the control room along with real-time location of the person in distress.

**Precision Location**

Time Delay of Arrival (TDOA) receivers within a pervasive Wi-Fi mesh network accurately pinpoint people or asset whereabouts through RFID tag signals more precisely. With a pervasive TDOA location tracking solution, Injury Alerting is possible. If a person is not in motion for a pre-determined amount of time the personnel tracking system can immediately alert the control center of the problem so that assistance can be sent quickly and efficiently.

**The benefits of location tracking include:**

- Location of distressed or injured person
- Location of assets and equipment
- Workflow process enhancement
- Determination of a workers “presence”
- Enforcement of Authorized Area Restrictions

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NETWORK INFRASTRUCTURE KEY COMPONENTS

Smart Wireless solutions for plant operation applications include key components that all work together to deliver a secure, consistent and reliable wireless infrastructure.

Mesh Access Points
Outdoor wireless mesh access points provide a universal standard network infrastructure for easy integration of all the wireless applications in your plant, including video, personnel and asset tracking, and mobile worker productivity solutions. They allow client devices to connect to the network and communicate. Mesh access points are class I, Div 2 certified and support dual band radios compliant with IEEE 802.11a and 802.11b/g standards. The number of mesh access points to form the mesh access points together into one standard mesh network is certified for hazardous environment (Class 1, Division 2 / Zone 2. Group B, C, D – United States/Canada/Europe)

Wireless LAN Controller*
The wireless LAN controller manages access points. It provides real-time communication between wireless access points to manage mobility issues and deliver centralized security policies to ensure only authorized users and devices are able to access the network.

Backhaul Mesh Network
The backhaul mesh ties all of the access points together into one wireless network, replacing the cable that would normally join the devices together in a wired solution. The mesh access points “self-organize”, find each other, and create a robust mesh network.

Client Devices
Any client devices that are certified for Wi-Fi 802.11b/g radio communications will be able to utilize the wireless plant network infrastructure. These include PDAs, handheld PCs or laptops – whatever is appropriate for your wireless solution needs.

*Redundant components available

OPEN. RELIABLE. SECURE.

Open Standards
The industrial mesh access points are designed for industrial Wi-Fi deployments.
- Standard mesh network is certified for hazardous environment (Class 1, Division 2 / Zone 2. Group B, C, D – United States/Canada/Europe)
- Supports dual radio (802.11a, 802.11b/g)
- Has multiple power options (Power Over Ethernet, etc.)
- Compliant with Wi-Fi Protected Access 2 (WPA2), which employs hardware-based Advanced Encryption Standard (AES) encryption between wireless nodes to provide end-to-end, enterprise-class security

Reliable Communications
The Wi-Fi network uses mesh technologies which is not only self-organizing, but also self-healing. The intelligent mesh protocol dynamically optimizes the best route to the wired network within the mesh, mitigates interference and ensures high network capacity. If interference occurs, the network automatically re-routes to a better communication path.

In the event of an access point failure or blockage, there is a coverage hole in the system. When the system detects such a hole, wireless LAN controllers automatically adjust power on adjacent access points to cover the area where the failed access point provided service. It also supports quality of service (QoS) for all data applications.

Robust, Embedded Security
Emerson offers powerful and comprehensive secure solutions to enable confidential communications, policy controls, and threat defense capabilities to protect information and systems from wireless attacks. All wireless communications – from the client device to the mesh access points and between mesh access points back to the wired network – are encrypted using the WPA2 and AES standards. Additionally, the wireless network utilizes 802.11i/ WPA2, 802.1x, and EAP standards to ensure only authorized users have access. Emerson can additionally deploy a Wireless Intrusion Prevention System to provide “Defense in Depth” for your wireless network.

Choose a solution... ...that delivers secure, consistent, and reliable wireless communications.
Choose Smart Wireless…

...knowing that your wireless design, engineering and implementation are supported by the best in the business.

DESIGN AND INSTALLATION SERVICES

Solution Design and Planning
To help you achieve exceptional business results, Emerson services are available to ensure appropriate wireless technology selection, standards compliance, and optimum wireless network design to meet best engineering practices and operational performance requirements.

Site Assessment...
While not required for Smart Wireless solutions for field instrumentation, a professional site assessment is critical to the successful implementation of wireless plant applications. Emerson wireless engineers offer a comprehensive site assessment where they conduct an RF analysis, determine wireless component locations, and assess security and application performance requirements.

...or, No Site Assessment
Site assessments are not required for Smart Wireless solutions for field networks. To help you easily plan and incorporate best practices, Emerson’s AMS Wireless SNAP-ON application enables efficient wireless field network planning. This tool allows you to customize your wireless field network by using an image of your plant in the application to help plan your network according to best practices.

Network System Design
Emerson’s wireless engineers design the overall system architecture, the detailed network infrastructure, and Smart Wireless solutions to meet your specific needs.

Field Solution Installation
Wireless applications in the field can be commissioned by your technicians, or you can work with Emerson’s certified field service technicians. Emerson’s Smart Start service ensures your wireless devices and networks are correctly installed and commissioned. Our experienced technicians will ensure devices are properly configured and communicating with the Smart Wireless Gateway. They will assign network addresses and verify that your wireless field network is fully operable as a self-organizing network.

Plant Solution Installation
Smart Wireless solutions for plant operations are delivered with Emerson project management services and supported by structured project management processes. Emerson procures the equipment, configures system software, stages the system, manages network system installation and commissioning, and performs application implementation and integration.

AFTER-PROJECT SUPPORT

Emerson’s offers SureService® wireless life cycle services to help you maintain system uptime, apply wireless technology for better results, and preserve your intellectual and capital investment. You can select the service level and response time that’s right for your plant.

Emerson’s after-project wireless support services include:

- **Technical Support**
  Emerson’s Global Service Center will be your single point of contact for technical support for any wireless support needs.

- **On-Site Emergency Response**
  This service will commit availability of a wireless specialist for on-site support within an agreed-upon time period as specified in the service agreement.

- **Preventive and Reliability Maintenance**
  This service provides a certified Emerson wireless specialist on-site to assess the wireless plant network performance through various diagnostics and preventive maintenance routines in order to establish the health of the wireless network and make recommendation to maintain and improve its operational reliability.

- **Spares Access**
  There are multiple options available to you to accommodate your wireless network spares support needs.

- **Application Enrichment**
  Application Enrichment services deliver project-specific solutions by phone or on-site. This may include wireless network access point hardware changes, additions, network performance evaluation, security assessment, or network application changes or additions.

The benefits of choosing Emerson services include:

- **Reduced Risk**
  Emerson Smart Wireless Services ensures your success with a comprehensive portfolio of wireless services, experienced engineering teams, and proven project management processes.

- **Best-in-class Expertise**
  Emerson offers integrated wireless solutions with cutting edge wireless technology. You benefit from Emerson’s extensive process industry knowledge and wireless technology expertise.

- **Best Wireless Engineering Practices**
  Emerson engineering teams developed best practices for wireless system design and implementation based on years of proven experience.

- **Single Point of Contact**
  Emerson experts are always within reach through state-of-the-art support systems by phone, e-mail and website. Local on-site support can be available for fast response.
The Simple Facts

Is wireless reliable?
Yes. Emerson’s Smart Wireless solutions use mesh technology that is self-organizing. The intelligent mesh protocol dynamically optimizes the best route to the wired network, mitigates interference and ensures high network capacity.

Is wireless secure?
Yes. Emerson’s Smart Wireless solutions go beyond the basic use of authentication and encryption to ensure secure communications. Emerson provides "Defense in Depth" to secure your network against all known forms of wireless intrusion.

What is the difference between a wireless plant network and a wireless field network?
Wireless network technologies are focused on process applications like measurement or sensing, process control and diagnostics. Wireless plant networks implement applications like video, mobile worker, and location tracking. Each have unique technical requirements. See pages 4-5 for more detail.

Can my wireless field and plant solutions coexist?
Yes. Emerson’s Smart Wireless standards-based architecture addresses radio frequency interference between wireless solutions by using mesh network technology and other proven methods to provide high levels of communication reliability at both the field-network and plant-network levels. To see a white paper on this topic, go to www.EmersonProcess.com/SmartWireless.

Are wireless field applications interoperable with wireless plant applications?
Yes. Wireless field and plant networks are seamlessly joined together: The WirelessHART gateway communicates via well known process industry Ethernet protocols such as Modbus TCP, OPC, HART TCP – all of which additionally support SSL protected communications. The wireless plant applications utilize IEEE standards-based protocols that share the same Wi-Fi network.

Is a site survey required?
A site survey is not required for wireless field applications because they use self-organizing WirelessHART technology, making wireless signals immune to possible obstacles or barriers. However, a professional site assessment is critical to the successful implementation of wireless plant solutions. Emerson wireless experts offer a comprehensive site assessment.

Can wireless solutions be deployed in a hazardous environment?
Wireless field devices are ATEX Zone 0/Class 1 Div 1, and the Smart Wireless Gateway is ATEX Zone 2/Class 1 Div 2. Wireless plant mesh access points are ATEX Zone 2/Class 1 Div 2. Solutions that require ATEX Zone 1/Class 1 Div 1 mesh access points are available as an engineered solution.

Should I start with a wireless plant solution or with a wireless field application?
Emerson’s Smart Wireless solutions allow you to start anywhere. Simply start with the wireless application(s) you require. If you only need wireless field instrumentation for a specific process unit in your plant, you do not need to set up Wi-Fi coverage for plant network applications – and vice versa.

SMART WIRELESS RESOURCES
Emerson offers a variety of resources to ensure that Smart Wireless solutions provide you with optimal results:

PLANTWEB UNIVERSITY WIRELESS COURSES
Emerson’s online wireless courses at PlantWeb University are fast, free and will teach you everything you need to know about taking your process or plant wireless – from security and power management to implementation considerations and typical use cases. Get started today at PlantWebUniversity.com.

SMART WIRELESS WEBSITE
Visit us at www.EmersonProcess.com/SmartWireless for information on:
• Wireless Applications
• Getting Started
• Technology & Products
• News & Resources

INDUSTRY EXPERTS
While our wireless architecture and applications are designed for ease of engineering, installation, and use, we also offer a broad range of services to help you get up and running quickly – and make the most of wireless technology. Our wireless experts ensure that your business needs are met and help you decide and implement the best combination of wired and wireless technologies and products to meet your goals.

Emerson’s Smart Start™ Services guarantee that your field network is installed and your technicians are operating at maximum efficiency. Our certified technicians provide both the necessary product and wireless network knowledge and experience so that your site’s maintenance staff and your wireless equipment are performing optimally.

FOR MORE INFORMATION, CONTACT YOUR LOCAL EMERSON REPRESENTATIVE TODAY!

FOR A LIST OF LOCAL LOCATIONS IN THE EMERSON GLOBAL NETWORK, VISIT EMERSONPROCESS.COM
