

STANDARD ELECTRIC SUPPLY CO.  
**IIoT QUICK GUIDE**

Digitalization of the Future, Done Today.



# WHAT IS IIoT ?

IIoT, or the Industrial Internet of Things, is the leveraging of smart machines to enhance manufacturing and industrial processes through the use of machine data. Secure internet gateways and cloud computing technologies allow for easy- to-establish, scalable solutions that analyze data in real-time, driving more accurate business decisions.

# BENEFITS OF IIoT ?

- Enhanced Enterprise Management
- Stronger Analytics and Data Capabilities
- Improved Plant Operation Performance
- Reduced Operating Costs
- New Services
- Inherently Scalable

# WHO SHOULD KNOW ABOUT IIoT ?

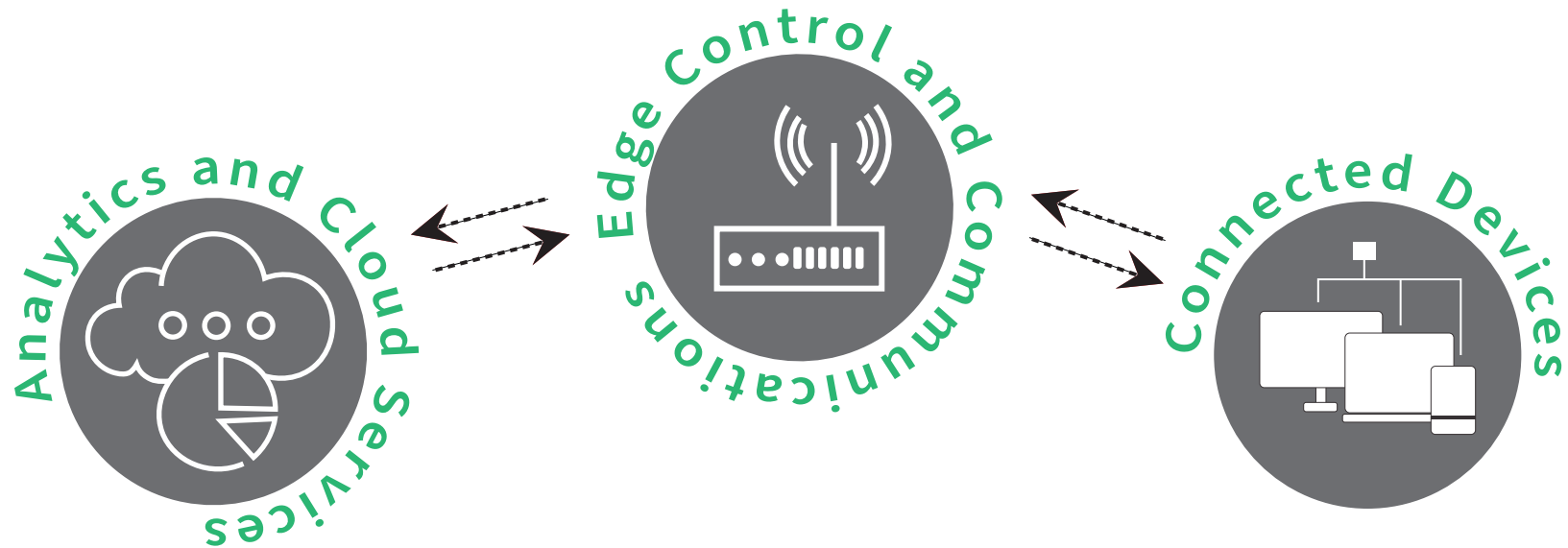
- OEM Product Managers
- Plant Managers
- Management Teams
- Support Personnel

# HOW TO IMPLEMENT IIoT?

Start simple with secure messaging. Standard Electric has the products that can measure, normalize (scrub), and move your data from the manufacturing floor to the cloud and beyond. Present your information while balancing the needs for network security, integrity, and reliability.

Measure → Scrub → Move → Present

# IIoT SYSTEM ARCHITECTURE OVERVIEW



**DASHBOARDS & ANALYTICS**

Display simple text, comprehensive tables, and complex graphs for production status or in-depth analysis. Take advantage of either local or cloud based servers for easier scalability.

**CLOUD/SECURITY**

Secure authentication and encrypted connections assure that data transmission and data access is secure while maintaining appropriate firewalls.

**FIXED ASSET UTILIZATION**

Existing I/O can provide the data necessary for all aspects of IIoT, from simple reporting and event notification to full analytics.

**EDGE DEVICES/GATEWAYS**

Provides a secure link of field devices to cloud services. Can consolidate or optimize data and provide local machine diagnostics or critical actions.

**MOBILE & TABLET CONNECTIVITY**

Local or off-site visualization of dashboards or machine status and control allows you to connect with mobile devices.

**CELLULAR (MOBILE ASSETS)**

Assets on the move can be tracked and events reported in real time. Portable support and remote diagnostics of complex or critical operations can be achieved.

# IIoT PRODUCTS

- Protocol Converters
- Remote I/O
- Intelligent Gateways
- Edge Devices
- Networking and Firewalls
- Cellular Devices
- IIoT Enabled Sensors
- Wireless Products
- Platform Solutions
- Cloud Storage
- Analytics

# IIoT Protocols Supported

- MQTT
- Kolibri
- AMQP
- CoAP
- ZeroMQ
- OPC-UA
- JSON
- REST API
- SQL

# WHY STANDARD ELECTRIC?

As a long time provider of secure, industrial automation, remote access, protocol conversion, and presentation tools, we have the experts on staff that can help you navigate through your IIoT projects.

Standard Electric will help you overcome challenges and reduce risks that hinder IIoT implementations.



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