

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

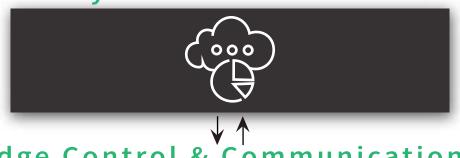
HOW TO IMPLEMENT IIOT?

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.

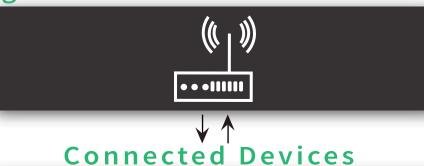
Measure → Scrub → Move → Present

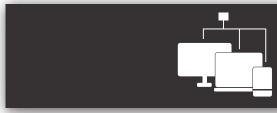
IIOT SYSTEM ARCHITECTURE OVERVIEW

Analytics & Cloud Services



Edge Control & Communications





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 IIoI, from simple reporting and event notification to full analytics.

MOBILE & TABLET CONNECTIVITY

Local or off-site visualization of dashboards or

machine status and control allows you to

connect with mobile devices.

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.

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

MOTT

Kolibri

AMOP

CoAP

ZeroM0

OPC-UA **JSON**

REST API

SOL

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.



























the sensor people























