ioTium PLC-Azure IoT Edge Connector
Plug & Play Secure Connectivity for PLC Controllers to Azure IoT Hub

ioTium's *PLC-Azure IoT Edge Connector* application securely and seamlessly connects data from mission-critical Programmable Logic Controllers (PLCs) to analytics and other applications residing in Azure IoT Hub. Built using the Azure IoT SDK, the ioTium *PLC-Azure IoT Edge Connector* edge application is securely deployed from ioTium's cloud-based Orchestrator and managed across sites globally; enabling plug & play connectivity of PLC data to Azure IoT Hub at scale.

The *ioTium PLC-Azure IoT Edge Connector* application leverages ioTium's Edge-Cloud infrastructure that comprises of the following key components:

- **ioTium Edge iNode:** Converged compute and network element which resides at the data source at the edge. The *PLC-Azure IoT Edge Connector* application runs on the ioTium Edge iNode.
- **Orchestrator:** Cloud hosted management element which enables a self service portal to securely deploy and manage the networks. The *PLC-Azure Edge IoT Connector* application is deployed across ioTium Edge iNodes globally from the ioTium Orchestrator.
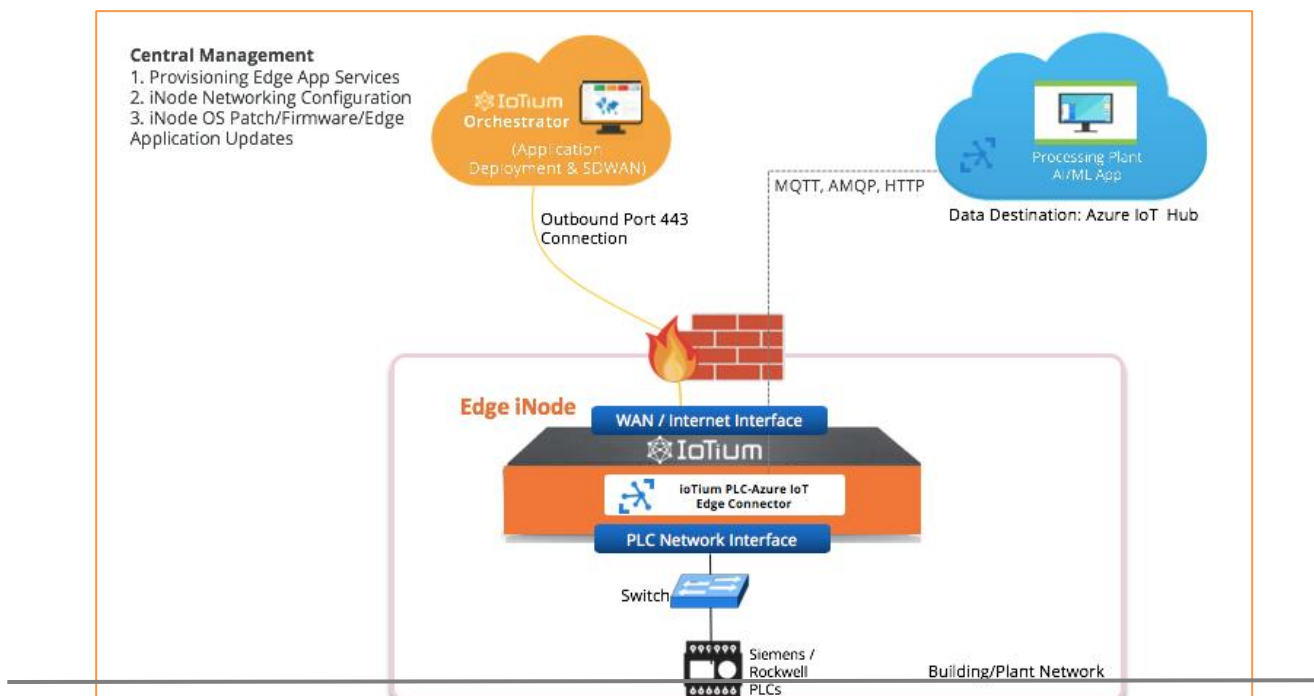

Figure 1: ioTium PLC-Azure IoT Edge Connector: Connecting PLC controllers to Azure IoT Hub

KEY BENEFITS

Connectivity of PLC assets to Azure IoT Hub at scale	Cloud-based Central Management	Zero-touch Secure Provisioning	End to End Secure By Design

- Drop-ship plug & play deployment
- Significantly reduced time to securely connect PLC assets to Azure IoT Hub
- Significantly reduced deployment costs
- Significantly reduced OPEX costs for secure connectivity across thousands of sites

- Cloud-based management and monitoring of the *PLC-Azure IoT Edge Connector* and other edge apps across sites via ioTium Orchestrator for ongoing serviceability

- No truck-rolls
- No CLI
- No usernames and passwords
- No changes to enterprise security/firewall/proxy settings

- Secure the assets
- Secure data, both in motion and at rest
- Secure Data Isolation
- Granular Policy driven