

ioTium

SECURE NETWORK INFRASTRUCTURE FOR BUILDING AUTOMATION

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See a demo at booth #218

160+ Buildings Securely Connected, Globally

Founded
2015



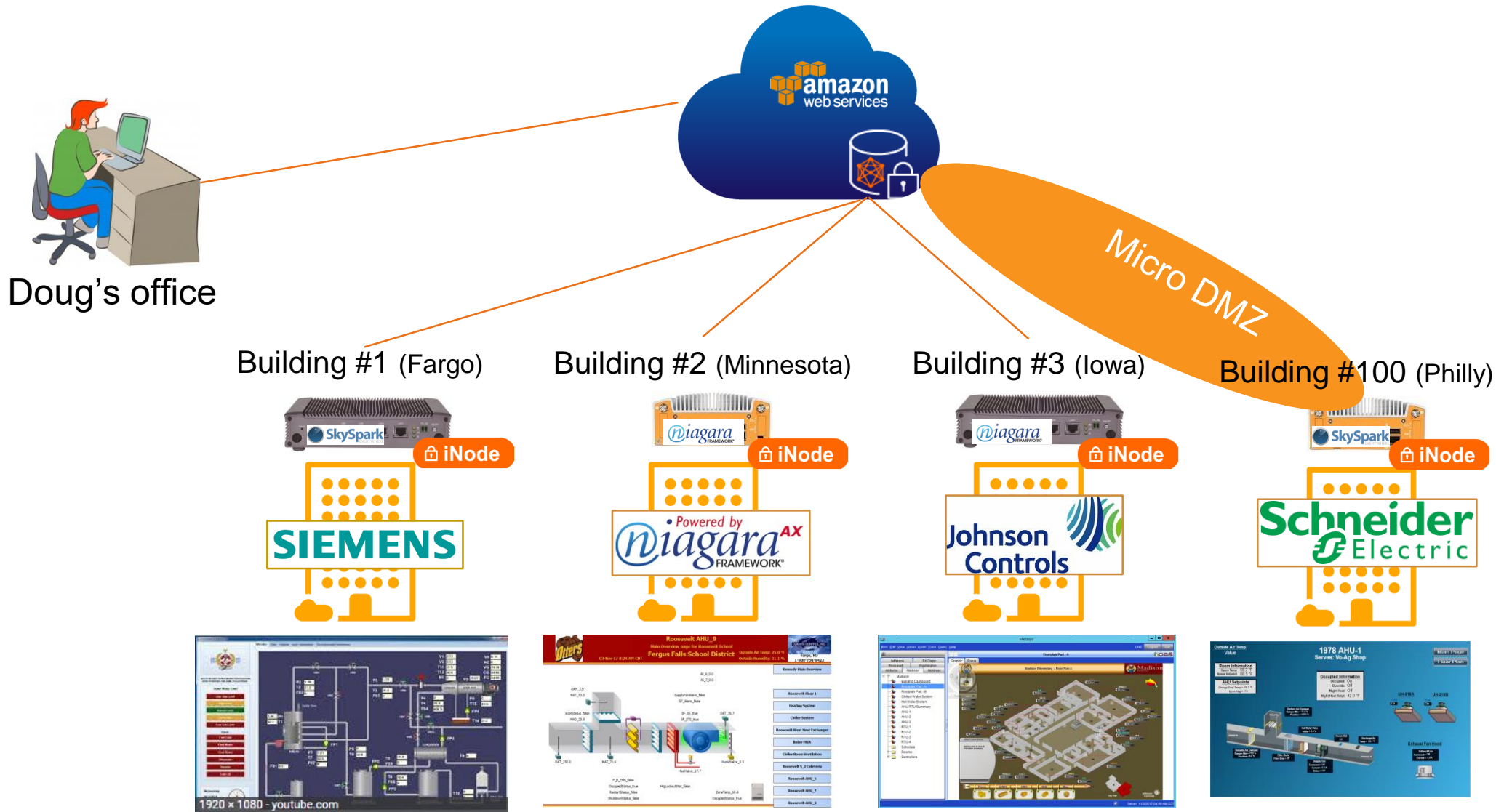
- How do I securely connect buildings to energy analytics apps?
- How do I provide my IT Security team “peace of mind”?
- How do I manage 3rd party vendor remote access into my buildings?
- How do I run analytics applications at the BAS itself?



Zero-touch secure network infrastructure for connected building automation systems (BAS)



OT-Net: Managed Secure Remote Connectivity to the BMS

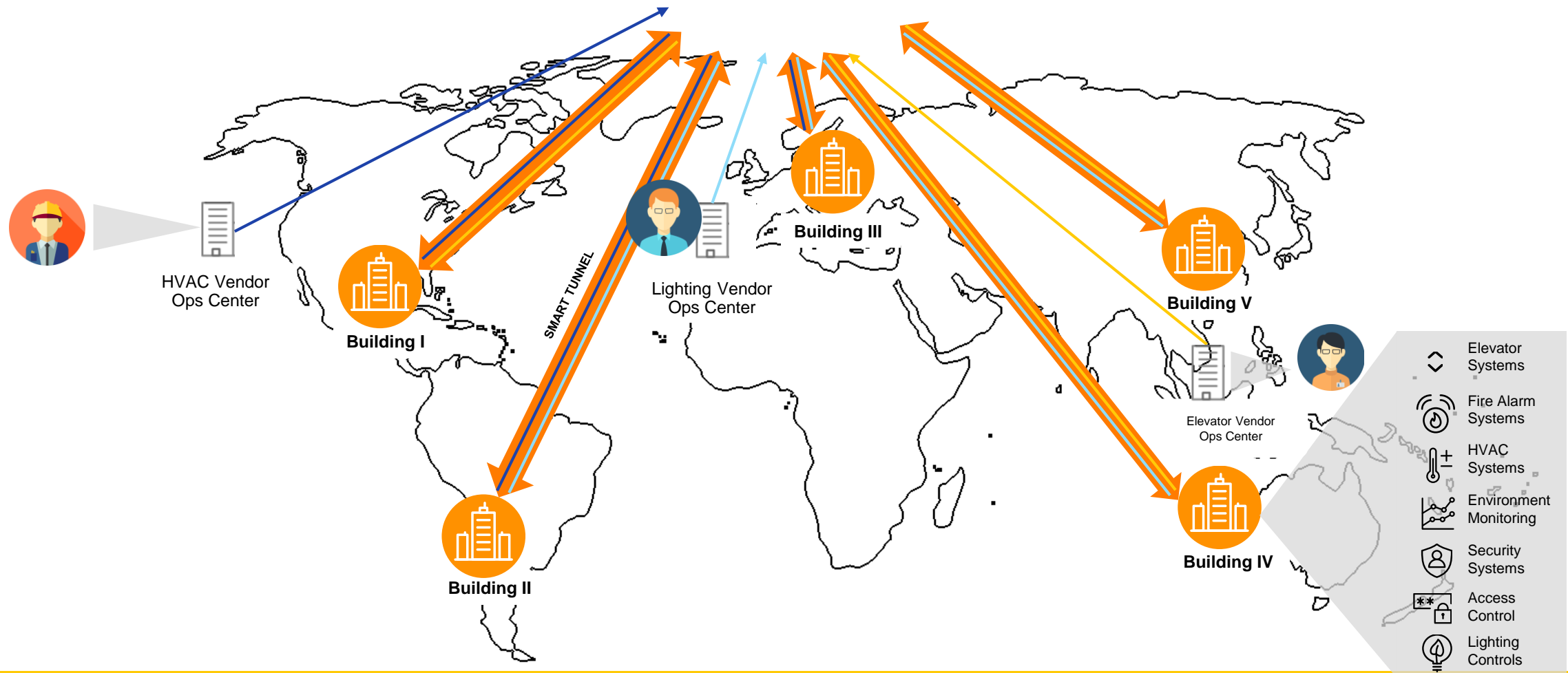


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OT-Access: Centralized Provisioning, Authentication, Management & Audit of secure 3rd- party remote access into your entire building portfolio



The diagram illustrates the IoTium architecture, showing the flow of data and control between edge nodes, a central virtual node, and cloud services.

Cloud Services: The top section shows various cloud providers and services, including **ioTium APP STORE** (Niagara Framework, SkySpark, Kepware, OPC, FOGHORN, thingworx Azure, AWS Greengrass), **Microsoft Azure**, **aws**, and **Microsoft Azure**.

IoTium Orchestrator: A central cloud component (blue cloud icon) that manages the system.

Edge iNodes: Three edge nodes (orange circles with a tower icon) are shown, labeled **EDGE iNode** and associated with **Plant I**, **Plant II**, and **Plant III**.

Virtual iNode: A central gray box labeled **VIRTUAL iNode** that acts as a hub for data and control.

Data Flow: Orange arrows labeled **DATA** and **SMART TUNNEL** indicate the flow of data from the edge nodes to the Virtual iNode and from the Virtual iNode to the edge nodes.

Control Flow: A gray arrow labeled **Control Channel** indicates the flow of control from the IoTium Orchestrator to the edge nodes.

Edge iNode Detail: A detailed view of an Edge iNode shows it contains **IoTium** and **EDGE APP 1**, **EDGE APP 2**, and **EDGE APP 3** (SkySpark, FOGHORN, and Azure). It is connected to an **Isolated Industrial Network** which includes **Historian**, **PT Gears**, **Valves**, **Chains**, **Brakes**, **Couplings**, and **Gas Analyzer**.