




Bridging OT to IT

How to Successfully Connect the OT Edge to Enterprise

Dell World 2023
Expo Theater Session

Designing and Building your Edge Solution

- What you have
 - Idea for how to use edge data
 - Sensors/devices collecting data
 - Cloud / enterprise that can drive an edge ROI if provided the data
 - Partnership with  Technologies
- What you need
 - Means to acquire the edge data
 - Actuation & control of edge devices
 - Ability to integrate intelligence at the edge
 - Normalized edge data given to the cloud/enterprise
 - Ability to use edge data with AI/ML to achieve
 - Operational efficiencies (save money)
 - New revenue streams (make money)
 - Be more safe (protect people/property)
 - Manage and monitor the edge

Your starting point



Enterprise / Cloud

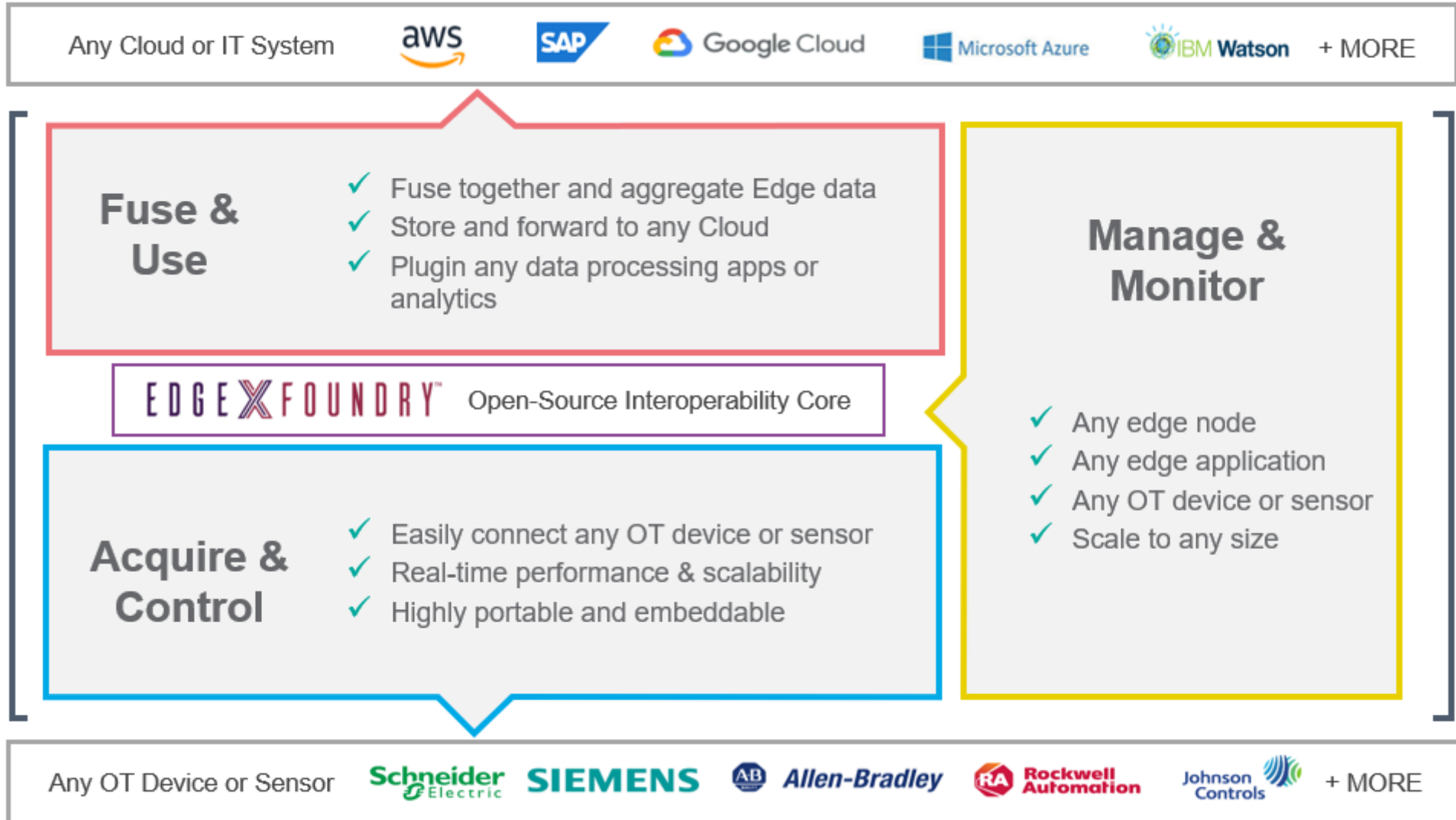


DELL Technologies
Hardware and partner



Some edge
sensors/devices

What to add: IOtech's Edge Xpert



Acquire and Control Edge Data

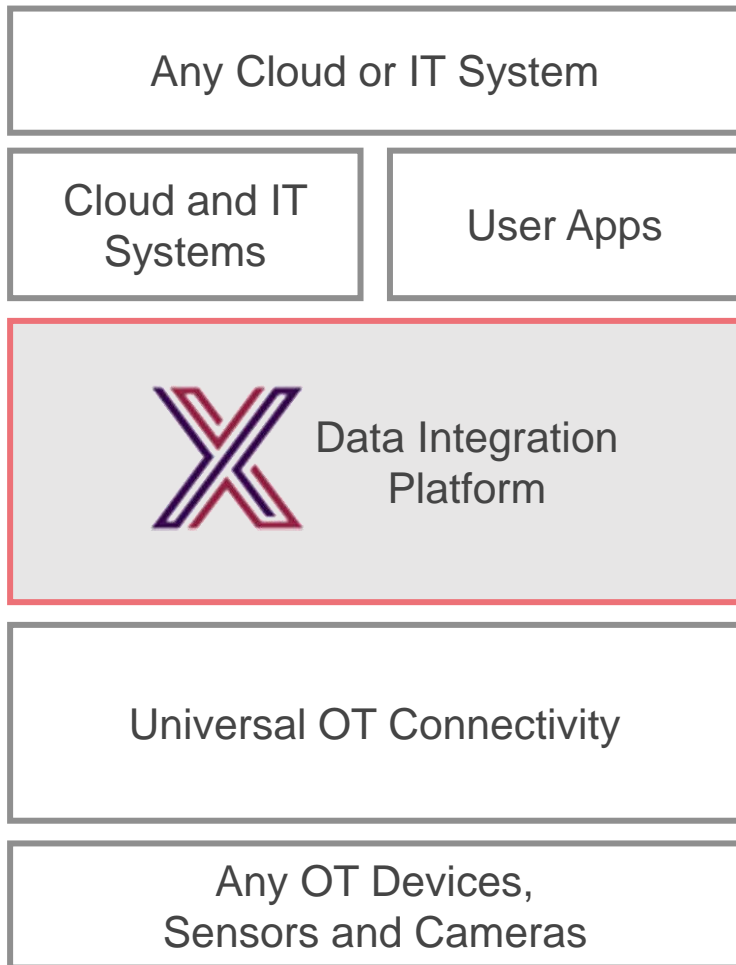
IOTech's Edge Xrt

- Any device/sensor
- Any protocol
- Any OS/platform/architecture
- Real-time if required
- Command/control if required

Universal OT Connectivity

Any OT Devices,
Sensors and Cameras




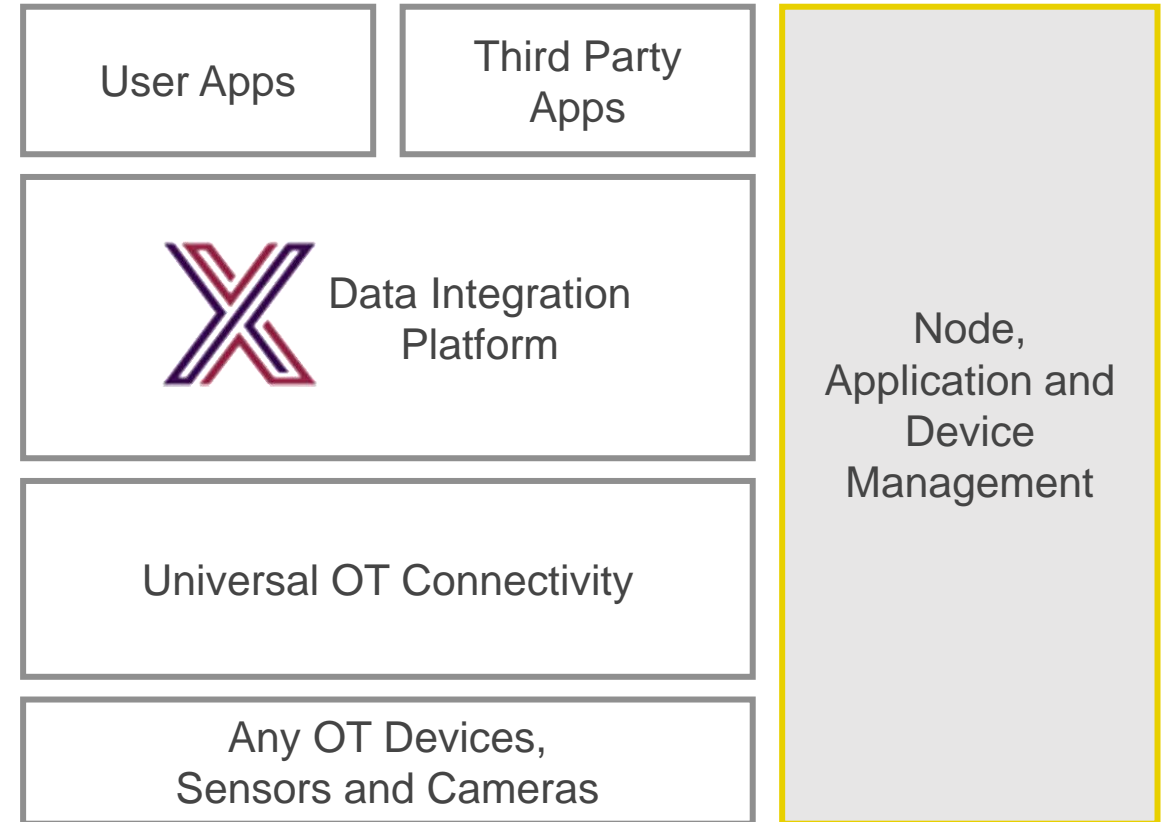


Fuse & Use the Data

- IOTech's Edge Xpert
 - Based on open source technology
 - Fuse edge data to develop aggregate, multi-sensor intelligence
 - Use edge intelligence to command locally
 - Normalize the edge data
 - Forward edge data to any cloud/enterprise application
 - Integrate analytics
 - Rules engines
 - AI/ML
- Runs on **DELL** Technologies
 - Gateways, embedded PCs, ...

Manage and Monitor the Edge

- IOTech's Edge Builder
 - Onboard/manage edge nodes
 - Deploy any edge application
 - Containerized or non-containerized
 - Connect OT devices
 - Monitor nodes & applications
 - Detect and fix issues with included tools
 - Operator's single pane of glass over the edge
 - Manage at edge scales
- Runs on 



IOTech Edge Builder

Bring Your Own

IOTech Edge software (with IOTech services) helps you:

- Build on technology based on open standards

 - Flexibility to add your own elements and best of breed solutions

 - Standard APIs that allow you to easily extend the solution

- Avoid lock-in

 - Platform independent (OS, architecture, protocols, cloud, etc.)

 - Data to any/all enterprise/cloud systems – even simultaneously

 - Legacy protocol enabled with SDKs to address tomorrow's connectivity needs

- Plug-in your value add

 - Easily add your business rules

 - Integrate AI/ML

 - Edge data in your industries format (e.g. Haystack, Sunspec, ...)

IOtech Edge Solutions

- Most comprehensive foundational software solution for the Edge
 - Built by OT experts
- Makes industrial data accessible, actionable and manageable
- Reduces time to value and market
- Leverages the world's #1 open source edge platform (EdgeX)
 - Democratizing data aggregation at the edge



Thank You