

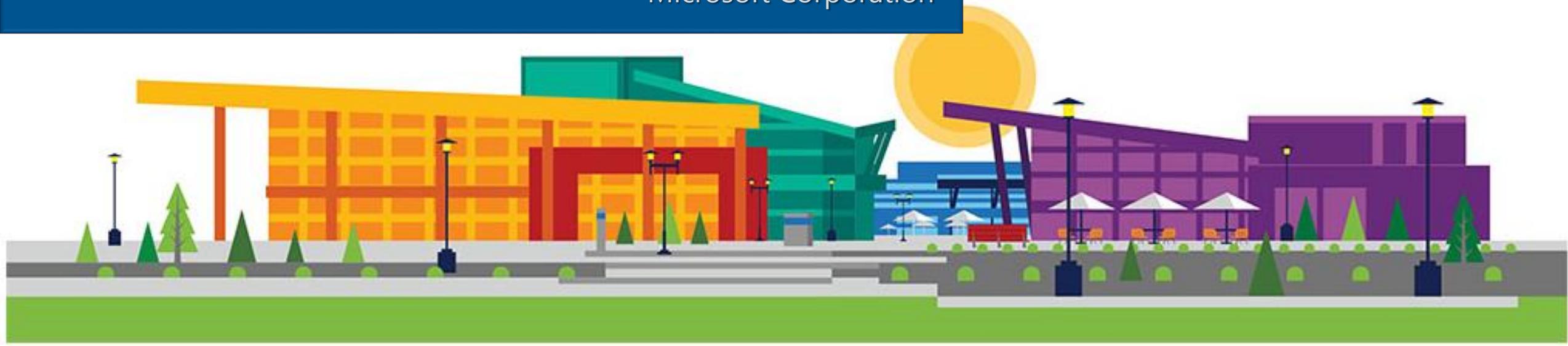


Information Revolution 2014

August 05-06 | Redmond, WA

Tom Burke
President & Executive Director
OPC Foundation

Rohit Bhargava
Global Technology Strategist
WW Manufacturing & Resources
Microsoft Corporation



OPC Foundation: Who We Are

Community:

- The OPC Foundation is the world's leading community for interoperability solutions based on OPC specifications that deliver universal connectivity.

Collaboration:

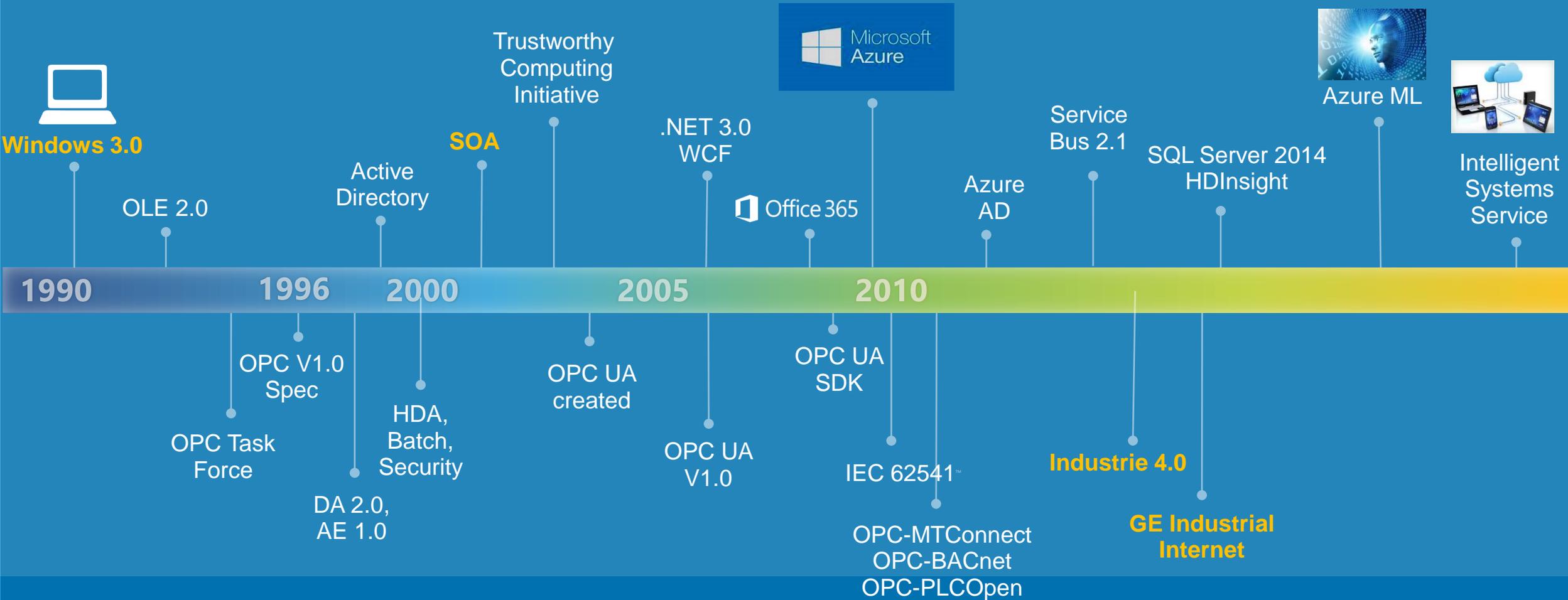
- The mission of this community is to advance the development, adoption and certification of OPC based products through global collaborations.

Compliance:

- The Foundation is the official source for the OPC Certification Program, ensuring that OPC products plug-and-play in real-world application.

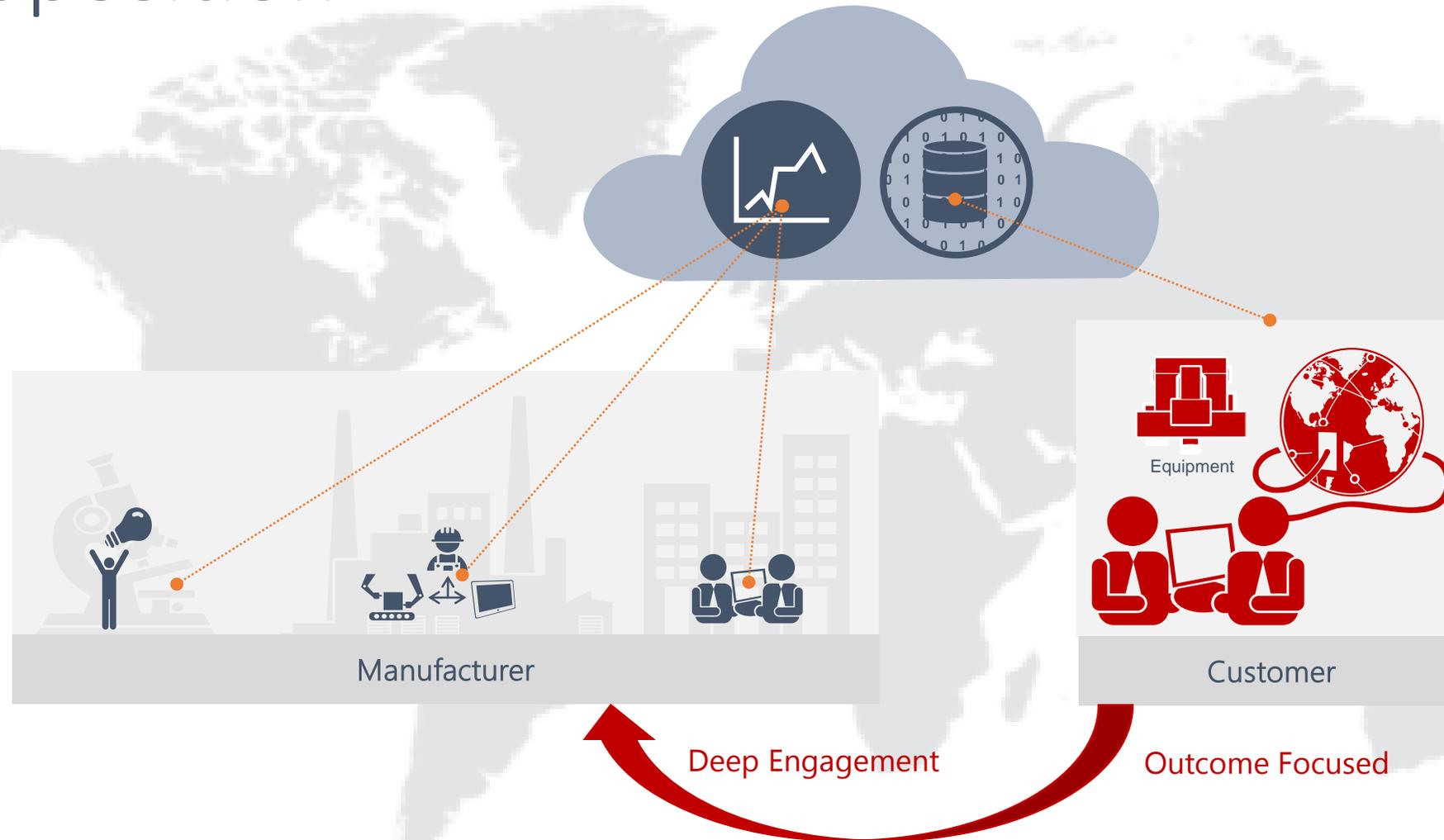
OPC & Microsoft evolution

CATALYSTS FOR MANUFACTURING TRANSFORMATION



9:00 - 10:15	<p>Vision Keynote</p> <p>Microsoft's Platform for IoT - Connectivity, Cloud, Big Data</p> <p>Q&A with audience</p>	<p>John Shewchuk, Technical Fellow, Developer & Platform Evangelism</p> <p>Josh Holmes, Sr SDE, Developer & Platform Evangelism</p>
10:15-10:30	<p>Break</p>	
10:30-11:15	<p>Manufacturing & Resources & Transformational Business Opportunities</p>	<p>Egbert Schroeer, <i>WW MD, Process Mfg & Resources</i></p> <p>Seated Panel Discussion: Industry-specific scenarios</p> <p>Sanjay Ravi, <i>WW MD, Discrete Manufacturing</i> Bill Mitchel, <i>Director, WW Public Sector</i> Egbert Schroeer, <i>WW MD, Process Manufacturing</i></p>
11:15-12:00	<p>Connected Operations</p>	<p>Enrique Andaluz, Director, Manufacturing & Resources Vojta Kresl, Europe Development Director, Iconics</p>

Transforming the manufacturer's value proposition





Microsoft Azure Intelligent Systems Service



MANUFACTURING PLANT

Monitor production flow in near-real time to eliminate waste and unnecessary work in process inventory.

Manage equipment remotely, using temperature limits and other settings to conserve energy and reduce costs.

Implement condition-based maintenance alerts to eliminate machine down-time and increase throughput.

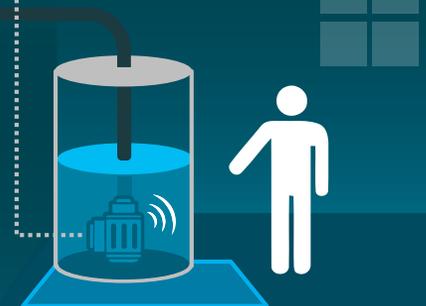
Aggregate product data, customer sentiment, and other third-party syndicated data to identify and correct quality issues.

GLOBAL FACILITY INSIGHT



CUSTOMER SITE

Transmits operational information to the partner (e.g. OEM) and to field service engineers for remote process automation and optimization.



Provide cross-channel visibility into inventories to optimize supply and reduce shared costs in the value chain.



GLOBAL OPERATIONS

Management



I can see my production line status and recommend adjustments to better manage operational cost.

R&D



I gain insight into usage patterns from multiple customers and track equipment deterioration, enabling me to reengineer products for better performance.

Field Service

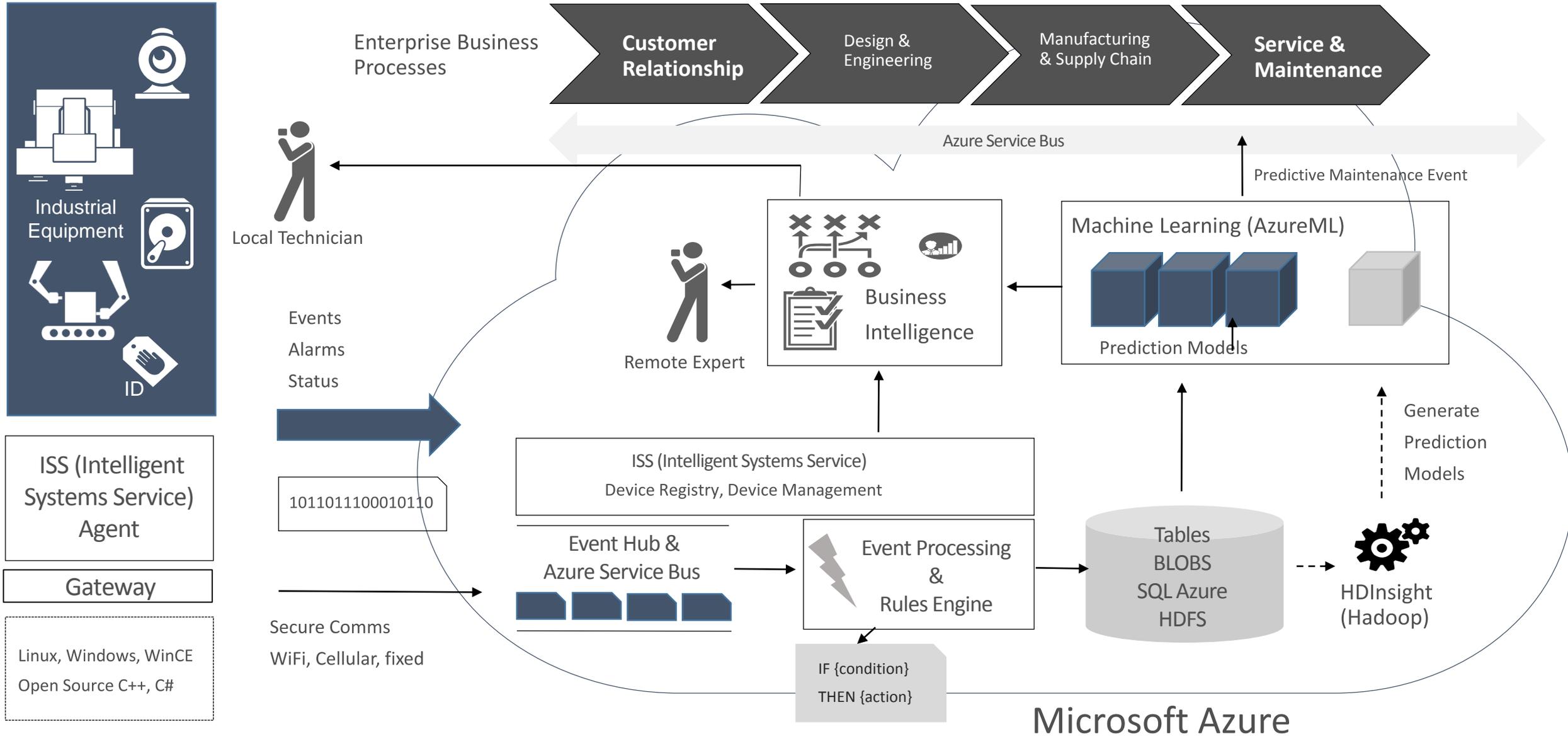


I know when to deploy the right resources for predictive maintenance to minimize equipment failures and reduce service cost.

THIRD-PARTY LOGISTICS



IoT Services Architecture & Platform Components



Cloud innovation

OPPORTUNITY FOR SECURITY & COMPLIANCE BENEFITS

Pre-deployment concern

Benefits realized

94%

experienced security benefits they didn't previously have on-premise

62%

said privacy protection increased as a result of moving to the cloud



SECURITY

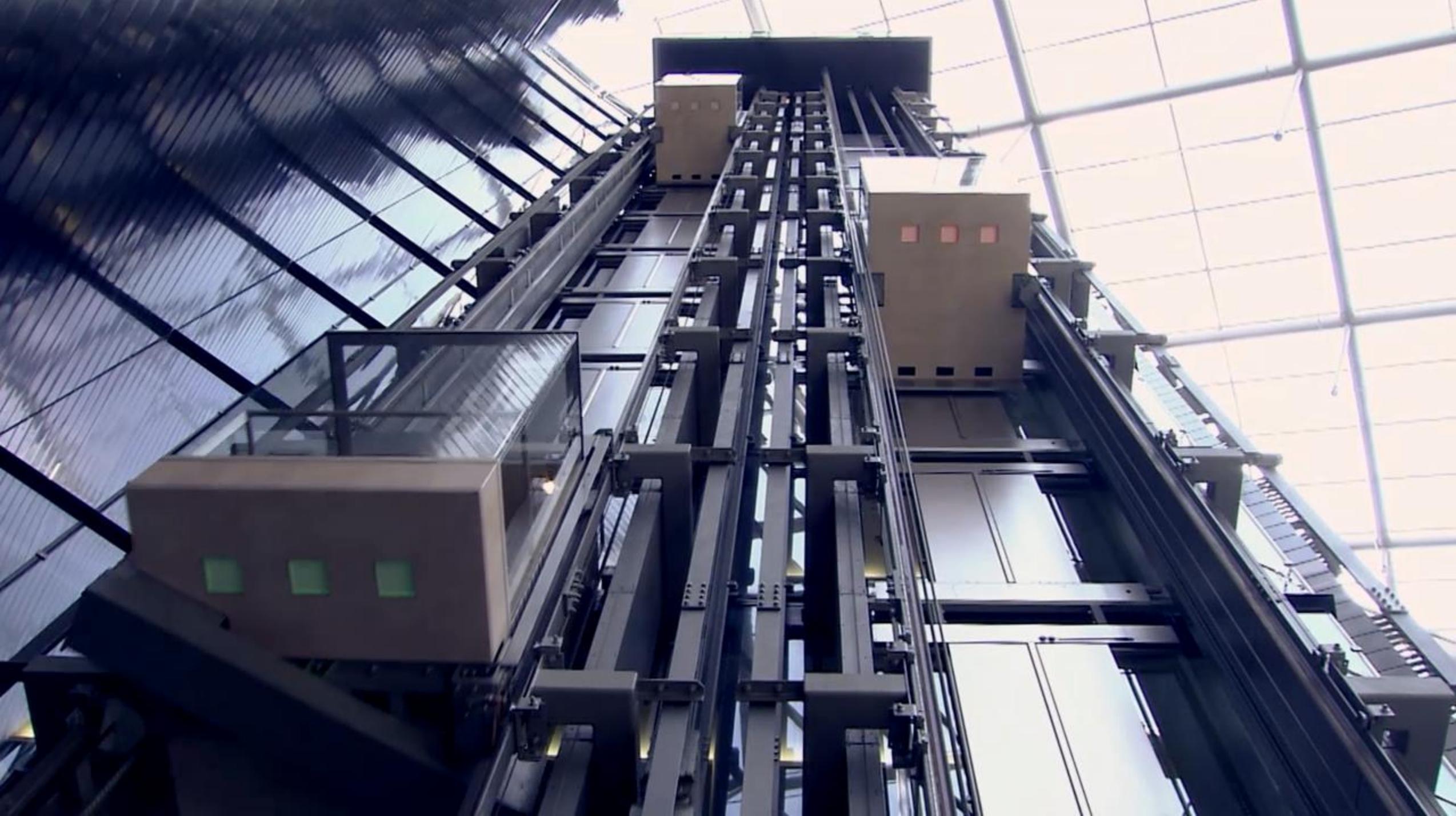
- Design/Operation
- Infrastructure
- Network
- Identity/access
- Data



PRIVACY



COMPLIANCE



<p>9:00 - 10:15</p>	<p>Vision Keynote</p> <p>Microsoft's Platform for IoT - Connectivity, Cloud, Big Data</p> <p>Q&A with audience</p>	<p>John Shewchuk, Technical Fellow, Developer & Platform Evangelism</p> <p>Josh Holmes, Sr SDE, Developer & Platform Evangelism</p>
<p>10:15-10:30</p>	<p>Break</p>	
<p>10:30-11:15</p>	<p>Manufacturing & Resources & Transformational Business Opportunities</p>	<p>Egbert Schroeer, <i>WW MD, Process Mfg & Resources</i></p> <p>Seated Panel Discussion: Industry-specific scenarios</p> <p>Sanjay Ravi, <i>WW MD, Discrete Manufacturing</i> Bill Mitchel, <i>Director, WW Public Sector</i> Egbert Schroeer, <i>WW MD, Process Manufacturing</i></p>
<p>11:15-12:00</p>	<p>Connected Operations</p>	<p>Enrique Andaluz, Director, Manufacturing & Resources Vojta Kresl, Europe Development Director, Iconics</p>