



Avnet IoTConnect and Smart Factory Solution

Real-time insights from connected assets

AVNET

 Microsoft

Agenda

1. IoT market opportunity and challenges
2. Avnet IoTConnect
3. Avnet Smart Factory Solution
4. Get started today!

Avnet IoTConnect & Smart Solutions

Everything you need to jump-start the development of your IoT initiative



Secure connectivity & control



Optimized operations



Data-driven insights

How it works

An end-to-end solution that takes the complexity out of IoT



Your business infrastructure

Any devices, data, and systems you want to connect, such as:

- *Devices and equipment*
- *Sensors and gateways*
- *Internal data systems (ERP, CRM, etc.)*
- *External data (social media, weather, traffic, APIs, etc.)*



IoTConnect (PaaS)

A secure platform built on Azure cloud services

- *Multi-protocol connectivity*
- *Easy-to-use toolkit*
- *Hardware support*
- *Artificial intelligence*
- *Predictive analytics*
- *Data visualization*



Smart Solutions (SaaS)

Nine pre-built solutions that address common business challenges



Smart Factory

Get real-time insights across the factory floor



A global packaging manufacturer serving the food and consumer products industries had to find an efficient way to adhere to stringent compliance requirements. With Avnet's Smart Factory solution, they were able to easily monitor and manage the factory environment in real time to ensure optimum product quality.

REMOTE MONITORING

Dashboards accessible via mobile apps help factory floor supervisors and management monitor the factory environment in real-time from anywhere.

EASIER COMPLIANCE

Wireless sensors enable continual monitoring of key environmental variables to ensure quality standards are met.

INCREASED EFFICIENCY

Machine learning enables devices to alter their course without the need for human intervention, saving time and resources.

BETTER INSIGHTS

Sensor data is transmitted directly to the cloud so it can be analyzed and used to identify areas for improvement.

Powered by Microsoft Azure

Built on Azure services, IoTConnect includes the enterprise-grade security, connectivity and powerful analytics needed for a best-in-class IoT solution.



Connectivity



Scalability



**Powerful
analytics**



**Artificial
intelligence**



**Security and
management**



Next steps

- We'll connect you with the sales team for IoTConnect: iot@avnet.com
- Learn more about Avnet [IoTConnect](#)
- Learn more about Avnet [Smart Factory Solution](#)

AVNET[®]



Avnet Smart Solutions

Get a head start on your IoT initiative with ready-made solutions built on IoTConnect.



Smart Building



Smart Healthcare



Smart Fleet Management



Smart Office



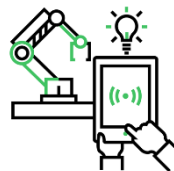
Smart Connected Worker



Smart Warehouse



Smart Retail



Smart Asset Monitoring



Smart Factory

Avnet Edge-to-Enterprise IoT Services

Consult

Develop

Deploy

IoT Advisory Services

- IoT Transformation Roadmap Strategy
- IoT Audit and Readiness Assessment
- Proof of Value (POV) Programs



IoT Device Design and Build Services

- Product Development
- Manufacturing
- Integration
- Technology Selection
- Inventory Management



IoT Cloud and Digital Services

- Cloud and Analytics
- AI and Cognitive
- Machine Learning
- UI / UX and Visualization
- Web and Mobile Apps Development
- Device Management
- IoT Connectivity

IoT Lifecycle Services

including:

- Field Implementation and Maintenance
- Sensor, Device and Hardware Installation
- Data Integration with Any Enterprise Apps
- Infrastructure Performance Optimization and Monitoring
- Firmware and Security Patch Management
- Technical Assistance Center



IoTConnect Platform

- Robust and Secure IoT Cloud
- Remote Device Management
- Real Time Analytics and Smart Rules
- Avnet Smart Apps

Avnet Smart Apps



Smart Factory



Smart Healthcare



Smart Office



Smart Asset Monitoring



Smart Building



Smart Warehouse



Smart Connected Worker



Smart Retail



Smart Fleet

Data Science

- Predictive Maintenance
- Recommendation Engines
- Customer Churn Prediction
- Customer Loyalty and Retention
- Inventory Management
- Fraud Analytics
- Healthcare Analytics

Smart Factory Equipment Monitoring

Avnet Reference Architecture



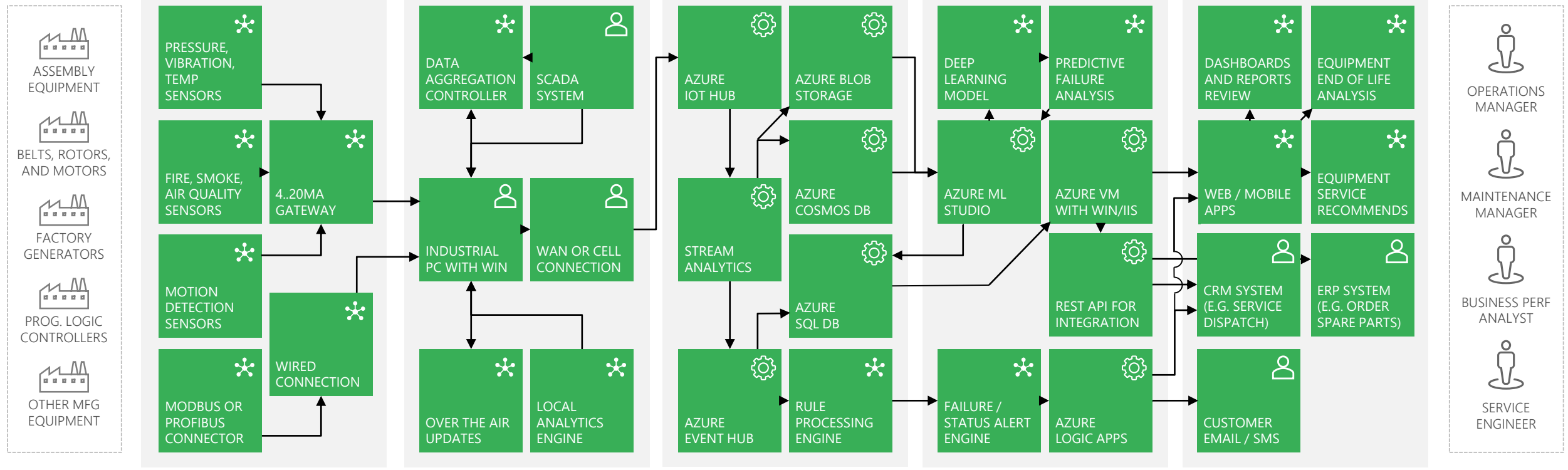
Edge Intelligence
Avnet's solution can monitor a wide range of equipment by connecting to industry standard sensors over multiple buses.

Aggregation
Sensor data is merged with data from your SCADA system on a PC where it's processed for local analytics and cloud upload.

Cloud Services
Microsoft's Azure provides the solution with a scalable and secure back-end for all of your sensor data and telemetrics.

Cloud Intelligence
Avnet's AI-as-a-Service platform and Smart Apps power failure analysis, KPI dashboards and notifications for your whole team.

Mgmt Experience
Web and mobile apps as well as email/SMS notifications help your team stay on top of equipment performance and status.



End-To-End IoT Offerings

