Avnet IoTConnect and Smart Diesel Generator Monitoring Solution

Control generators from anywhere

AVNET Microsoft

Agenda

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

IoT deployments face unique challenges

Connecting devices, data, and systems

Seamlessly connecting and integrating disparate legacy devices, data and systems can be a daunting task, requiring expertise that most businesses don’t have.

Identifying the right resources

IoT complex and requires different hardware and software resources and more integration than most traditional IT projects.

Managing a complex ecosystem of providers

It can take up to 10 partners to get an IoT system deployed, which can cause disconnects that slow time to market.

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

Secure connectivity & control

Easily connect and manage all your devices, data, people, and systems using a secure, cloud-based platform.

Seamlessly and securely connect all your devices with support for multiple connectivity protocols and cross-device communication.

Easily register and pair legacy devices to the platform without coding to get up and running fast.

Manage all devices, data, and applications from one central portal.

Rely on the enterprise-grade security of the Azure platform to encrypt sensitive data, protect devices from viruses and malware and secure network traffic.

Optimized operations

Lower your costs and increase productivity by making existing processes and infrastructure more efficient than ever before.

Minimize downtime and increase productivity using real-time analytics and predictive maintenance to proactively monitor devices and improve processes.

Reduce costs by identifying and addressing issues early. For example, by using IoTConnect, an oil and gas company discovered a gas leak issue that was costing them $150,000 per day.

Quickly scale your computing power up or down as your business needs change.

Jump-start development of your IoT system with smart, market-ready connectivity solutions for 9 different verticals.

Data-driven insights

Use real-time analytics and artificial intelligence to gain deeper insights, make informed decisions, and drive innovation.

Harness the potential of the vast amounts of data collected by your IoT solution with real-time analytics and artificial intelligence capabilities powered by Microsoft Azure.

Integrate and analyze data from new and existing systems to identify trends, optimize operations, better understand customers, and uncover new revenue sources.

Accelerate decision making and speed time to market by giving stakeholders across the business access to real-time insights via customized, interactive dashboards.

Use live, interactive reports to monitor and optimize device performance and improve processes over time.

Smart Diesel Generator Monitoring

Streamlined maintenance for diesel generators

A large construction firm needed a way to intelligently manage the hundreds of generators deployed across multiple sites at any given time. Avnet's easy-to-manage, cloud-enabled Smart Generator Monitoring solution helped them significantly reduce unbillable service trips thanks to comprehensive remote monitoring and alerting capabilities.

AUTONOMOUS SOLUTION

Easily track actual fuel consumption, prevent fuel theft, and generate efficiency reports.

IMPROVED EQUIPMENT RELIABILITY

Real-time remote monitoring of their generators and advanced failure alerting capabilities means they can diagnose issues from anywhere and keep their generators running reliably.

TOTAL CONTROL

The company gained comprehensive control over fuel consumption, performance, and maintenance scheduling thanks to AI-driven insights and interactive dashboards.

REDUCED COSTS

The client was able to significantly reduce costly on-site visits while reducing maintenance and service costs.

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 Generator Monitoring Solution

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