

# Shoreline IoT industrial asset monitoring on AWS

End-to-end, remote asset monitoring and predictive maintenance for legacy assets



Shoreline IoT

aws  competency

Shoreline IoT is an AWS Partner Network (APN) Partner and an AWS IoT Competency holder.

## Industry trends & challenges

The Industrial Internet of Things (IIoT) is transforming the way many industries work. Connecting industrial assets, such as heating, ventilation, and air conditioning (HVAC), boilers, Modbus devices, programmable logic controllers (PLCs), and motors, creates new opportunities for enterprises to add net-new revenue streams, increase production outputs, and drive new levels of operational efficiency. However, IIoT can be difficult and expensive to implement. Those who are interested in pursuing IIoT need an affordable solution that enables them to integrate IIoT into their legacy systems and processes without significant technical expertise.

## The Shoreline IoT solution

Gain an end-to-end, out-of-the-box IoT solution with Shoreline IoT iCast. With iCast, a wireless far-edge device and Software-as-a-Service (SaaS), you can leverage remote asset monitoring and predictive maintenance for your legacy industrial/commercial assets and sensors. Enterprises can more affordably and easily integrate IoT into their buildings, machines, and processes through built-in intelligence from iCast software, minimizing the need for specialized technicians. Shoreline iCast can be integrated with a number of Amazon Web Services (AWS) services including, AWS IoT Core, AWS Lambda, Amazon Simple Storage Service (Amazon S3), Amazon Elastic Cloud Compute (Amazon EC2), and more. This means that enterprises can leverage the breadth and depth of services from AWS, while digitizing their factories with the help of Shoreline, freeing up resources to create more business opportunities.

## Benefits

Shoreline iCast brings IoT capabilities to industries of many sizes and verticals, allowing enterprises to modernize their processes and innovate faster. Benefits of this solution include:



### Accelerate implementation

Unmonitored assets can get connected and become monitored in minutes



### Retrofit buildings and plants

Commercial buildings, retail spaces, or factories can be retrofitted with IoT capabilities in a few days instead of months



### Work smarter

Continuously monitor and optimize asset performance, and maintain assets on a need-only basis



### Reduce costs

Leverage IoT to free up resources and increase operational efficiencies, helping drive down costs

# Solution Space

Discover scalable and secure solutions that will empower you to achieve your business needs with AWS and APN Partners that have attained AWS Competency designations. Customer ready solutions are based on architectures validated by AWS, include a combination of AWS services and APN Partner technologies, can be deployed quickly with solution accelerators like AWS Quick Starts, and feature optional consulting offerings provided by APN Partners, to accelerate your cloud transformation.

[Click here to get started with this Solution Space offering](#)

## Solution overview



### Key features

- Integrate IoT capabilities with an out-of-the-box solution that includes a credit card-sized wireless far-edge device, multi-protocol software, device management, mobile applications, and asset monitoring over the cloud
- Remotely configurable hardware and software enables easier onboarding of a large variety of assets and sensors
- Built-in, real-time edge analytics such as local rules engine, anomaly detection, and oscilloscope view

### IoT on AWS

Enterprises of various sizes and industries can optimize their operations and modernize their business with IIoT technology. AWS can help with this transformation with its set of IoT services including AWS Greengrass and AWS IoT Core, which make it easier to load and analyze information, and provide the ability to manage devices, so organizations can focus on delivering business value. By connecting users, buildings, and systems with IoT, enterprises can address their most pressing business challenges, and accelerate their pace of innovation.

## How it works

Shoreline's iCast solution can be leveraged for a number of different use cases, including industrial assets, sensors, building management, indoor agriculture and greenhouses, among others. Below are some of ways you can use Shoreline iCast:

- **Industrial assets and sensors:** Shoreline IoT helps digitize many of your plant processes including electrical panels, monitoring temperature/humidity, connected meters (such as energy, gas, and water) and control your motors, machines, and PLCs. By connecting these processes and monitoring them in real-time, you can react quickly when issues occur and make your processes more efficient.
- **Building management:** Retrofit your buildings to include IoT capabilities. Shoreline iCast can be integrated with virtually any space, including office buildings, commercial spaces, retail stores, hotels and hospitals. Monitor and control assets such as HVAC, boilers, Modbus devices, environmental conditions, occupancy and lighting, helping you save money and be more energy efficient.
- **Indoor agriculture and greenhouses:** Optimize your farms by monitor environmental and facility conditions such as temperature, humidity, CO2, and airflow. You can also monitor your plants and their nutrient levels, making it easier for you to react faster when issues arise.

## Getting started

To implement IoT capabilities in your enterprise, contact Shoreline IoT.

[Contact AWS and Shoreline](#)

[Shoreline offering on Solution Space](#)



About AWS: For 10 years, Amazon Web Services has been the world's most comprehensive and broadly adopted cloud platform. AWS offers over 100 services for compute, storage, databases, analytics, mobile, Internet of Things (IoT) and enterprise applications from 49 Availability Zones (AZs) across 18 geographic regions in the United States, Canada, Europe, Asia, Australia and South America. AWS services are trusted by more than a million active customers around the world – including the fastest growing startups, largest enterprises, and leading government agencies – to power their infrastructure, make them more agile, and lower costs. To learn more about AWS, visit <http://aws.amazon.com>.

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