

# ThingPark Enterprise Private LoRaWAN Connectivity Solution

## Challenges



**Deploy a dependable and efficient connectivity infrastructure to support the digitalization of your business**

Industries such as construction, transportation and logistics, oil and gas, and manufacturing all have initiated the digitalization of their business processes to make it safer, more sustainable and efficient. Building a dependable and scalable IoT infrastructure is a key step in that digitalization process, as companies need to connect their most valuable assets and to transform the aggregated data into business actionable insights. There are many solutions in the market to connect assets, but are they really connecting with efficiency, consistently aggregating data from a wide variety of assets with various legacy interfaces, easy to deploy by removing the need for wires, ultra low-power to connect non-powered assets. Connecting with efficiency is key to ensure that company digitalize their business operations while improving their ROI.



**ThingPark Enterprise Private LoRaWAN Networking solution**  
Carrier-grade LoRaWAN infrastructure tailored for the enterprise market

ThingPark Enterprise is the leading LoRaWAN private networking solution that streamlines the digitalization of your business processes by connecting your most valuable assets with efficiency. Deploying ThingPark Enterprise, you will benefit from a dependable, secure and scalable private LoRaWAN connectivity infrastructure to enable a wide variety of IoT use cases such as indoor/outdoor asset tracking, while ensuring the power-efficiency needed to ensure solutions ROI. ThingPark Enterprise streamlines IoT network operations, providing enterprises with a proficient UX to easily build a multi-gateway LoRaWAN network and feed data to IoT applications. ThingPark Enterprise dashboards provide key operational insights and alarm management.

## Benefits

A dependable connectivity management solution seamlessly integrated with AWS IoT, to enable the IoT use cases of your choice eliminating wiring constraints.



### Dependable Industrial infrastructure

ThingPark Enterprise uses the same technology trusted by leading service providers and major enterprises to deliver a secure and field-proven solution. ThingPark powers over 35,000 commercial gateways managed worldwide.



### Seamless integration with AWS IoT

Transforming sensor's data into actionable insights requires a proficient applicative suite to store, transform, analyze and act on data. ThingPark Enterprise provides a seamless integration with AWS IoT to make sure you'll get the best out of your data..



### No wires

Eliminating wiring for most sensors, ThingPark Enterprise saves you time and money to accelerate the deployment of your Industrial IoT Projects.



### Any use case, anywhere

ThingPark Enterprise support integration of remote sites for all regional radio regulations and offer the widest device interoperability to let you deploy the use case you need and connect your legacy systems (modbus bridge, pulse, 4-20mA, RS232/485).

## Activity on AWS

Combining Activity ThingPark Enterprise solution with AWS IoT services offers a comprehensive solution to efficiently transform sensors data into business actionable insights. While ThingPark Enterprise will ensure a seamless and efficient delivery of your sensors data within your AWS environments, AWS IoT services will provide you with tools to store, analyze, and transform data into information that make sense for your business. IIoT solutions are accessible from AWS Marketplace in a few clicks and deployment is fully automated to get you started right away.

### Features



#### Build a private LoRaWAN connectivity infrastructure quickly

ThingPark Enterprise allows customers to build a dependable private LoRaWAN infrastructure quickly and streamlines its operation, making sure enterprises focus on business operations. ThingPark Enterprise UI provides wizards to easily build a multi-gateway LoRaWAN network, with the ability to combine different gateway types (indoor, outdoor) from a large choice of LoRaWAN gateway manufacturers. Connecting sensors and feeding data to IoT applications only requires a few clicks leveraging our wide catalogue of LoRaWAN sensors and IoT cloud connectors. Network operation is simplified as ThingPark Enterprise dashboards provide key operational insights and alarm management.



#### Quickly transform sensor's data into actionable information with AWS IoT services

ThingPark Enterprise has been designed to quickly integrate sensor's data with your IoT application, offering a comprehensive set of device management APIs and a rich catalogue of off-the-shelf cloud-to-cloud connectors. Aggregating sensor's data within your AWS IoT environment can be achieved seamlessly : ThingPark Enterprise AWS IoT connector ensures smooth device provisioning and secure data delivery to AWS IoT Core and can be easily deployed using AWS CloudFormation. Supporting 100s of LoRaWAN drivers, ThingPark Enterprise accelerate the data analysis process by delivering actionable data points to AWS IoT Core service.

## Case Study: Volvo Trucks - Trucks tracking on the production yard



### Challenges

Volvo's production site produces 70 trucks per day. The trucks are stored on the factory yard, but many are moved several times per day for customization tasks. Keeping track of their location is an extremely time-consuming task.



### Solution

Volvo deployed a ThingPark powered private LoRaWAN network and a fleet of Abeamway multi-technology trackers to continuously track the trucks within the production once they leave the assembly line.



### Results

To perform any customization, trucks are now easily located by site operators via an application, both indoor and outdoor. Connecting its trucks, Volvo streamlined trucks customization process, saving a significant amount of time and money.

## Get started with Activity solutions on AWS

Visit [AWS Marketplace](#) to get started.