

Ayla High Value Asset Tracking



Challenges

Tracking high value assets in plants/campuses/facilities

Global commercial goods manufacturers, utilities, aerospace, and automotive companies can benefit from tracking the location of high value assets like tools, equipment, parts, and supplies in plants, campuses, and facilities. The loss, misplacement, and unknown usage patterns of these assets, can have significant financial impact and reduce overall worker productivity. A holistic IoT-based track and trace solution can prevent the loss of these high value assets, quickly locate items, and optimize usage of tools and machines. The time it takes to build the track and trace infrastructure for device connectivity, management, and security is too long to build using in-house services. Building both a web-based and mobile application experience is a complex process. Ayla addresses these challenges, using a set of pre-built services, dashboards, and mobile applications that enterprises can buy as a solution and deliver their track and trace solution faster to market.



The Ayla Track and Trace solution delivers rapid connectivity and intelligence for supply chain asset tracking

IoT-based track and trace solutions need to connect to the cloud, so the solution can be managed remotely (such as lifecycle management of tracking devices). Data from the tracking devices can also be harnessed to optimize the supply chain (for example, real-time tracking of assets as they are move through the supply chain). Ayla Track and Trace is a cloud-based IoT solution, delivered as a platform-as-a-service that enables manufacturers, utilities, and aerospace and automotive companies to deploy high value asset based track and trace solutions. This includes web-based and mobile applications, an administrator dashboard with all features needed to secure and control a fleet of tracker devices, and the foundational services needed to connect, secure, and manage a holistic supply chain tracking solution.

Benefits

Enterprises can deliver a comprehensive and holistic supply chain asset tracking solution to market faster, with a lower total cost of ownership with a platform they can buy and extend.



Rapid Time to market

Pre-built, turnkey platform services allows for 5X-10X faster concept-to-launch.



Low Total Cost of Ownership (TCO)

Modular architecture, configuration-based approach enables low cost of management and servicing.



Flexible and future-proofed

Built on AWS IoT Platform, with a flexible framework for extending to any device and data services.

Ayla Networks on AWS

Ayla Networks offers the complete IoT solution powered by Amazon Web Services (AWS). This powerful pairing is a best-in-class (Ayla, ranked number 1 IoT Platform in Deloitte Fastest 500 growing technology companies list in 2019) IoT infrastructure providing the security, reliability, and flexibility to ensure less downtime and faster times to market. AWS IoT provides the foundational IoT services for data ingest at scale, device management, and analytics of data. Ayla builds upon AWS IoT with value added services for customer facing mobile application for application command and control, a comprehensive dashboard and services for management of things, a machine learning model, Dashboard and services needed for connected and smart appliances.

Features



Track and trace solutions for high value asset management

Leverage a wide range of track and trace solution approaches such as RFID, BLE, and cellular-based tracking solutions to deploy a comprehensive solution for all elements of a high value assets tracking solution for enterprises.



Manage and monitor track and trace solutions via an IoT platform

- Monitor and manage the device state and performance using digital twin modeling, rules and schedules, and over the air (OTA) firmware updates.
- Gain actionable insights from the device data, using analytics and machine learning, that is easily accessible through mobile and web dashboards.
- Deploy with assurance through enterprise grade reliability, security, and privacy protections.



Ready to use enterprise applications

Web-based and mobile application for track real-time the movement and location of assets.

Case Study: Aerospace Company



Challenge

A leading Aerospace manufacturer needs a solution to accurately track the location of all tools and high value assets at a plant/facility/campus location. The primary drivers are to reduce the amount of time spent by team members in locating specific tools and to prevent the possible loss of these high value assets from the facility



Solution

Deployment of an RFIP based tracking solution that adhered tags to each asset and development of a web based and mobile application to enable the real-time tracking and alerting of assets.



Results

Expected savings of more than \$1M by reducing the need to purchase duplicate tools, optimizing the inventory system and increasing the efficiency of workers

Get started with Ayla Networks solutions on AWS

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