KEY FEATURES & DIFFERENTIATION

- Solution flexibility – works with a variety of connectivity options including BLE Mesh, RFID, Cellular+GPS and other LPWAN standards
- Hardware & Cloud agnostic – works with any chip/module OEM across any type of equipment or device on any public cloud infrastructure
- Works seamlessly across in-building, distributed campus environments and wider areas reliably and securely
- Dashboards and analytics reports for supply chain decision support

BENEFITS AND VALUE PROPOSITION

- Maximize utilization and extend the life of high value capital assets
- Improve supply chain visibility and efficiency
- Verify food freshness and safety
- Prevent of loss and theft
- Comply with key manufacturing regulations
- Optimize manufacturing and warehouse operations

How Ayla IoT is driving enhanced productivity, higher compliance and improved performance in asset-intensive industries.

Introduction

Companies globally spend billions of dollars managing capital assets and inventory. This includes registering, servicing, maintaining and tracking costs, both for fixed location as well as mobile assets. As a result, it represents a significant impact on financial performance and operational efficiency.

One of the key commercial applications of Internet of Things (IoT) technology is in precision positioning and tracking of capital assets. A wide range of industries including food manufacturing, life sciences, aerospace, automotive, transport & logistics and retail can leverage IoT to manage inventory, reduce loss and extend life cycle for both stationary and transient asset types. According to the research firm Global Data, Asset Tracking & Management use case accounted for 14% of IoT deployments in 2019, an annual increase of 50%. The result has been a transformational impact on businesses around the world.

Ayla Networks’ Track and Trace Solution is an IoT-enabled digital asset tracking and management solution that enables enterprises to locate, track and monitor remote assets in real-time. The Ayla offering works across any protocol, standard, hardware or cloud making it truly agnostic, enabling the right solution for the right problem.

How it works

The Ayla solution is an end-to-end Asset Tracking System. From multiple hardware options to the cloud, dashboards and applications, including a variety of connectivity options such as Wi-Fi, Bluetooth (BLE), RFID and cellular technology. Ayla has several existing, pre-integrated, hardware partners and, leveraging Ayla’s software agents and cloud can rapidly add new ones to create the right targeted solution for specific use cases.

AYLA SOLUTION BRIEF: TRACK & TRACE

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Ayla IoT addresses high value use cases

Some of the key use cases covered by Ayla’s IoT solution include:

Asset utilization, including theft & loss prevention – manufacturing, construction, maintenance, retail & other companies use expensive equipment and tooling in their daily operations and need to keep track of the location of those assets. Ayla’s IoT solution provides accurate location positioning to enable easy accounting and tracing.

Supply chain optimization – the ability to track inventory and other fixed assets within dispersed campuses to keep the supply chain moving quickly and efficiently. Enabling rapid location positioning and improved productivity of the workforce involved in supply chain operations such as dock scheduling.

Cold chain logistics – tracking inventory or finished goods shipments in verticals such as food manufacturing and life sciences that involve perishable goods, to ensure the right temperature/humidity conditions for health & safety.

Compliance and risk management – in sensitive manufacturing sectors, the misplacement of tools and equipment can violate compliance policies and draw fines and penalties.

Request a consultation with Ayla

If you’re ready to transform your asset tracking & management function to realize higher efficiencies and enable better decision-making, contact us at success@aylanetworks.com or request a consultation by visiting www.aylanetworks.com/request-demo. Learn why leading airline, food manufacturing, medical device and other industrial companies run Ayla IoT.