Aeris IoT Asset Management

AERIS IoT ASSET MANAGEMENT ATTRIBUTES:

INSTALL AND CONNECT
Aeris IoT Services platform

TRACK AND MONITOR
Locate, analyze, report

DATA TRANSFORMATION
Ingest, store, process

ANALYTICS AND REPORTING
Transform, visualize, define

ASSET ALERTS
Outliers, breakdowns, maintenance

MOBILE SOLUTIONS
Management operator mobile apps

The Internet of Things (IoT), by definition, is made up of 'things' or assets, which can run the gamut from solar pumps, to motorcycles, to medicinal blister packs, to heavy machinery, to food in transit, to just about anything you can connect to and gain data from.

The Aeris IoT Asset Management platform provides all the elements (hardware, software, connectivity, and support) required for an overarching asset management solution. This solution manages asset tracking, provides compliance oversight, enhances owner / operator behaviors, improves productivity, and reveals granular insights for optimizing operational efficiencies.

Asset managers are being challenged to increase reliability and lower operational costs with fixed resources. Demands are evolving from basic data needs to mission-critical requirements, such as reliability, long-term connectivity, and innovative market differentiation. To meet those demands, asset telematics increasingly are seen as a necessary tool to efficiently operate large numbers of things.

Aeris' history of successful deployments with asset companies of all sizes reflects on the promise of deploying and delivering asset telematics that create new business models while reducing the total cost of ownership. Additionally, by collecting, analyzing, and acting on real-time data, managers can make quick, beneficial decisions related to processes and equipment.

Aeris IoT Asset Management helps managers stay connected so as to monitor the movement, status, and behavior of any asset — regardless of location.

Tracking and Visibility

TRACKING AND STATUS: View asset location and operating status in real time; monitor asset utilization; obtain complete analysis and reporting.

OPERATING STATUS: Assign personnel to specific assets and jobs; monitor assigned or unassigned status.

PLACES AND GEO-FENCES: Create favorite locations; monitor when asset leaves or enters locations; discover asset behavior when not in your possession.

ASSET HISTORY: Review asset history, including asset movements, location, and status.

Safety and Compliance

ASSET BEHAVIOR AND SCORING: Use owner / operator score to manage risk by avoiding improper habits; monitor and coach asset transporters / carriers to avoid pitfalls.

ROUTE COMPLIANCE: Plan and monitor asset jobs and routes; reduce traveled miles by selecting best route alternatives for a job; get real-time notifications when asset is off route or delivery time is exceeding the expected time.

THEFT MONITORING: Get alerted when assets are moved from authorized locations; immobilize asset vehicles if unauthorized usage; prevent theft by monitoring asset routes, timeliness, and more.

REAL-TIME ALERTS: Monitor asset status and conditions; configure and manage real-time alerts for outlier behavior; create geo-fences and off-routes; prevent asset tampering.

Efficiency and Productivity

ASSET USAGE AND EFFICIENCY: Compare asset performance ranking.

JOB PLANNING: Plan asset transport jobs through the most efficient routes; monitor job ETA and status; communicate route instructions; share in-route asset status with customers.

TIME UTILIZATION: Monitor historic trip data and time utilization, including asset moving, stopping, and idle times; on / off; and whether in use or in transport mode.

MAINTENANCE PLANNING: For mechanical assets, schedule next service intervals; review asset diagnostics codes so as to troubleshoot and resolve issues faster.

Integration and Insights

MOBILE SOLUTIONS: Manage on-the-go assets with the management operator application; view asset location, distance, time utilization. Contact asset drivers directly from app for any job changes.

REPORTING AND ANALYTICS: Follow and manage asset's most visited places, delivery routes, excessive stop times, risky patterns and trends, and best and worst performers; visualize monthly, weekly, or daily asset data with multiple assessments.

ACCESS APIS: Enrich enterprise information using Aeris' external APIs; integrate asset location, performance, status, distance, and trips history to enterprise CRM and ERP systems.

THIRD-PARTY INTEGRATIONS: Use third-party apps to enhance asset data; improve routing and delivery decisions; or use toll pricing to estimate route cost alternatives.

Aeris IoT Asset Management provides end-to-end services — from connecting devices and sensors to analytics insights. This virtual assistant helps gather and analyze asset information to speed decision support and action.

INSTALL AND CONNECT: Connect asset metrics, as well as working diagnostics of the asset, to the Aeris IoT Services platform.

How it Works

DATA COLLECTION AND TRANSFORMATION: Aeris IoT Services Platform ingests, stores, and processes data from sensors and devices. It then transforms data into meaningful information.

WEB AND MOBILE INTERFACES: Visualize product functions, such as managing account settings, asset energy consumption (fuel / battery life), asset location, compliance, or alerts via mobile apps.

ANALYTICS ENGINE AND REPORTING: Transform data into insights; visualize historic data; and define patterns, trends, and rankings in real-time reports.

As one of the largest global IoT solution providers, helping multiple companies connect and manage millions of devices, Aeris is adept at delivering innovative, customized IoT solutions that help differentiate organizations from the competition, stay on top of technology investments, and provide more value to IoT customers.

ABOUT AERIS:

Aeris is a technology partner with a proven history of helping companies unlock the value of IoT. For more than a decade, we've powered critical projects for some of the most demanding customers of IoT services. Aeris strives to fundamentally improve businesses by dramatically reducing costs, accelerating time-to-market, and enabling new revenue streams. Built from the ground up for IoT and road tested at scale, Aeris IoT Services are based on the broadest technology stack in the industry, spanning connectivity up to vertical solutions. As veterans of the industry, we know that implementing an IoT solution can be complex, and we pride ourselves on making it simpler.

Visit **www.aeris.com** or follow us on Twitter **@AerisM2M** to learn how we can inspire you to create new business models and to participate in the revolution of the Internet of Things.

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