

WE BRIDGE THE GAP FOR INDUSTRIAL IOT

Litmus is enabling Industry 4.0 with a complete Industrial Edge Computing platform and IIoT device and data management layer. We bridge the gap between data in the field or factory and enterprise applications for companies looking to implement Industrial Internet of Things solutions.

CONNECT, MANAGE, ANALYZE & INTEGRATE YOUR INDUSTRIAL DATA WITH EASE

Working with manufacturing and other leading industrial companies, Litmus provides proven IIoT solutions to help customers improve efficiency by creating, managing and deploying advanced Industry 4.0 solutions.

EDGE



Industrial Asset Connectivity



Edge Data Storage & Analytics



Edge Apps & Marketplace



Enterprise & Cloud Integrations

CLOUD



Complete Edge Device Lifecycle Management



Edge Application Orchestration

OUR UNIFIED EDGE TO CLOUD PLATFORM SOLUTION



Existing Industrial Systems

LITMUS EDGE

SEAMLESS EDGE COMPUTING

The most complete Industrial Edge Computing platform on the market. Seamlessly connect to nearly all industrial assets and derive value with instant analytics or integrations.

LITMUS EDGE MANAGER

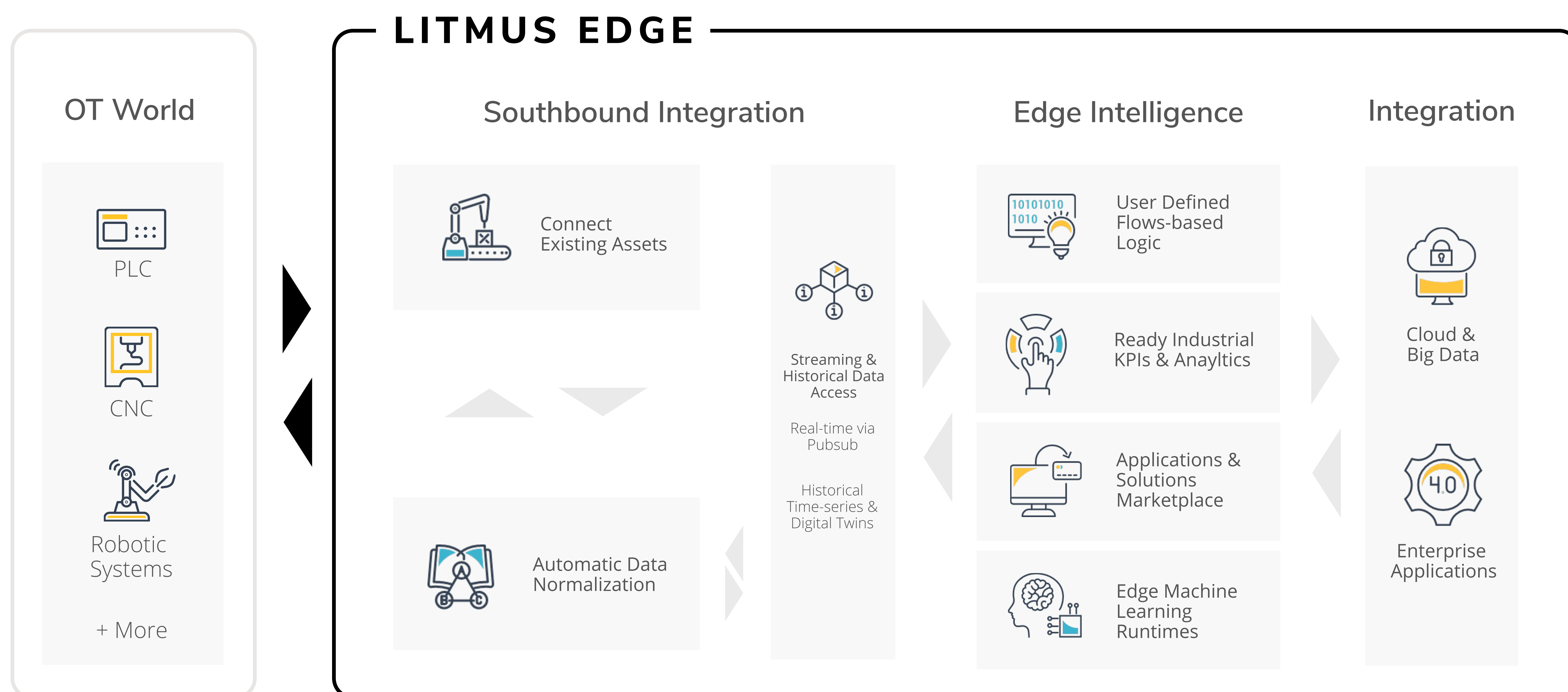
CENTRALIZED EDGE MANAGEMENT

An extensive Edge management suite so companies have the control and insight over how their devices and applications are performing in the field, while being able to act immediately when needed.

LITMUS EDGE

SEAMLESS EDGE COMPUTING

Litmus Edge lets you collect data from industrial systems like PLCs, DCS, sensors or historians and run applications locally on top of the data, such as event processing, Lambda functions, machine learning models, and more – all in an offline first deployment.



Connect Existing Assets

In just a few clicks, you can connect to any asset such as PLCs, DCS, CNCs, Robotic Controllers and more, via our own native drivers.

Data collection is made easy for IIoT with our security first approach in isolating between OT systems and data consumers.

Litmus Edge is also designed with templated connectivity for mass scaling and replication and includes automatic data normalization in standardized JSON or OMA formats.

Edge Intelligence

Ready Industrial KPIs & Analytics

Access industrial KPIs (OEE, Asset Utilization, Failure ratios, etc). Machine learning or stat driven anomaly detection or predictive analytics, as well as historical or real-time data processing.

User Defined Flows

Flows enables drag and drop event processing and easily scales development to production. Have access to industrial data for contextualization, processing or analytics with local visualization or raw analyzed data.

1st Edge App & Solutions Marketplace

Have access to public or private enterprise marketplaces with over 45 applications. Innovative runtimes, containerized for normal apps. Apps can also instantly consume data from an internal message broker. SDKs to build applications are available in Go, Java, Python, C#, JS and more.

Edge Machine Learning Runtimes

Container based model deployment for Tensorflow, Matlab, Lambda Functions, and more. Models controlled & distributed by EdgeManager.

Integrations

Store & Forward

Store & Forward for unreliable network. Filter data to send only required data points. Optimized for online or offline scenarios.

Cloud IoT Platforms

General MQTT & AMQP brokers. Azure IoT Hub, AWS IoT, Watson IoT or Google IoT Core. Authentication & Transport layer security enforced.

Big Data Platforms

Native Kafka interface for real-time data publishing.

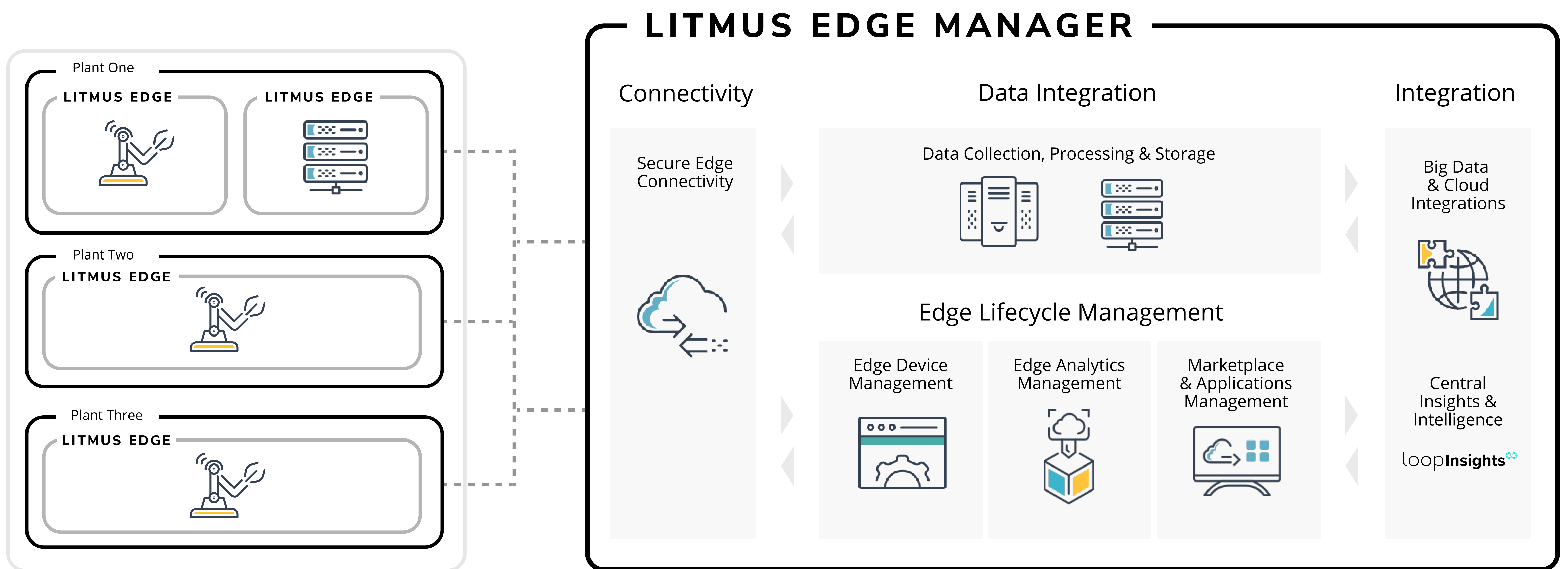
Databases & Enterprise Applications

Various ERPs, MES, SCADA, SQL & NoSQL databases and more.

LITMUS EDGE MANAGER

CENTRALIZED EDGE MANAGEMENT

Litmus Edge Manager includes extensive IIoT Edge lifecycle and deployment management for large-scale enterprises, industrial OEMs and system integrators – all driven by various IIoT and other industry standards.



Edge Lifecycle Management

Secure Edge Connectivity

Collect data from any number of Litmus Edge nodes. Alerts, Incident Management & Automated actions to enhance your IoT deployments. Manage complete lifecycle of devices from bootstrap until replacement.

Edge Device Management

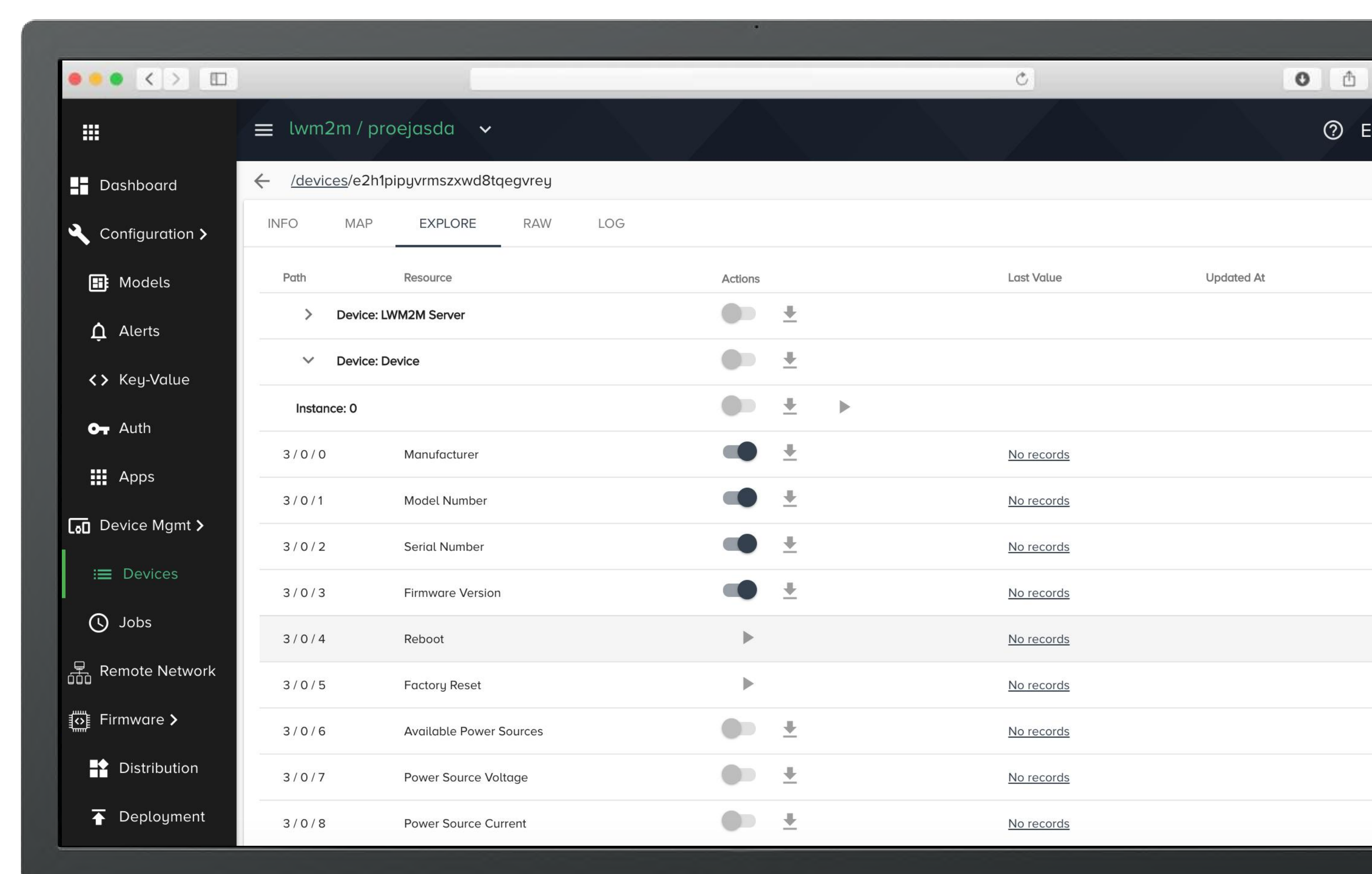
The Litmus Edge Manager platform works with many different use cases and its core features are centered around device lifecycle management of Litmus Edge, including: Initial Device Bootstrapping, Device Configuration & Modeling, Remote Management, Over-the-Air Updates, Mass Device Configurations, Device Replacement, Security Management, Alerts and Incidents Management.

Storage

Litmus Edge Manager's flexibility in working with all types of Databases, Big Data and Cloud Storage systems. Seamlessly integrate your own storage, or leverage our own out of the box Database Management system.

Marketplace & Application Management

Litmus Edge Manager allows users to create, deploy, manage, and update any containerized (Docker, OCI & more) application to Litmus Edge. This includes Edge Application Orchestration, Edge App Containers Management, Machine learning model deployment to the Edge.



Flexible Deployment

Litmus Edge Manager is designed to handle the complexities of OEM deployments, when the project becomes more than simply connecting devices. The platform allows complete control of the end-to-end initiatives of connected products bundled with existing assets or sold as standalone systems.

Run as Public or Private

Users have the freedom to choose a hosted Litmus Edge Manager setup or run it in their own Azure, AWS, Google or Bare metal datacenter. A multi-data center and distributed system allows users to be close to their Edge or IoT devices.

LITMUS EDGE MANAGER

CENTRALIZED DATA VISUALIZATION

Realtime Analytics of IIoT Data

Monitor device effectiveness and move from reactive to predictive maintenance mode. You can also filter data in real-time to view various time periods and levels of granularity.

Self-Serviceable Visualization

Define KPIs specific to business requirements. Start with a high-level dashboard and drill down to advanced analytics. Dozens of popular visualization types, including line and bar charts, gauges, pivot tables, and maps. Filter data in real time to view various time periods and levels of granularity. Enable on-the-fly modifications to dashboard parameters.

Pre-Analyzed Data

Data is processed at the edge, minimizing the impact on processing and bandwidth resources, with key metrics sent to the cloud. All of this is done with tightly integrated data processing from Litmus Edge to Litmus Edge Manager.

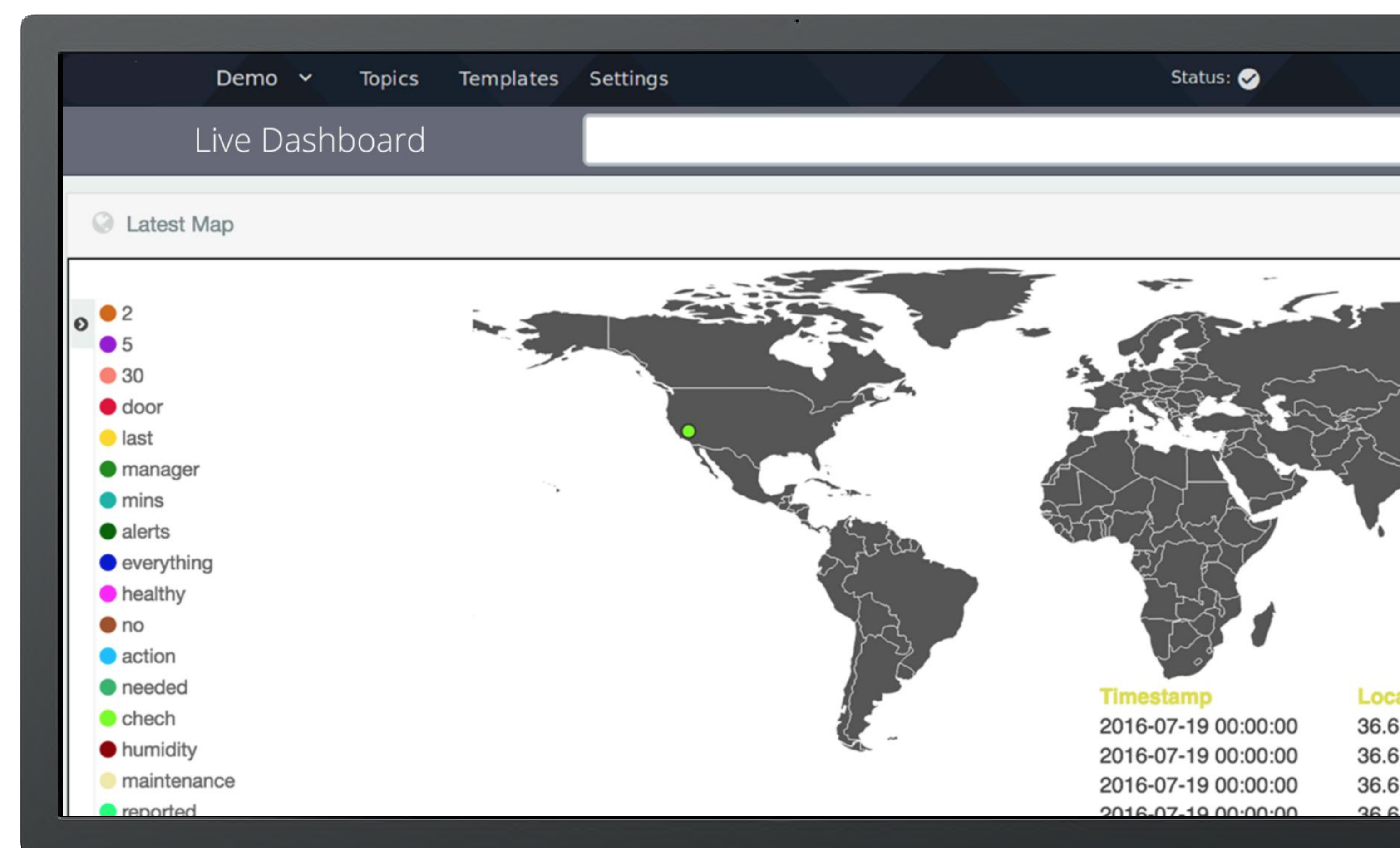
Litmus Edge Manager lets you store, visualize, analyze data, as well as set triggers and alerts for all of your connected assets and devices to get the most out of your business and prepare you for the next industrial revolution in Industry 4.0.

OEM Ready

Enable security controls for multi-tenancy environments with built-in isolation between projects and customers. You can also create customized dashboards with client-specific branding.

Geospatial Analytics

Monitor and improve global operations with location-based analysis.



RECOGNIZED AS AN INDUSTRY LEADER

TRUSTED BY FORTUNE 500 COMPANIES



Gartner Magic Quadrant
Featured in Gartner's 2019 IIoT Magic Quadrant



MachNation IoT Edge Scorecard
Rated as the leading IoT Edge platform in 2019



CIX Top 20
Recognized as one of the most innovative technology companies in Canada



Technology Headlines
Recognized as one of the top 20 IIoT solution providers



Frost & Sullivan
2019 Best Practices Award for Edge-to-Cloud IIoT Enablement Platform



May 2018 Cool Vendor
Named May 2018 Cool Vendor for IIoT Platforms by Gartner