



Litmus Edge

Edge Data Platform Purpose-Built for Industry 4.0

Litmus is the only complete Industrial IoT Edge Platform that unifies data collection, data analytics, application enablement and data integration. Deployed as an OT-first solution at the edge and designed to handle a complex mix of assets, Litmus is ideal for those who want a holistic view of data across the enterprise so they can use that intelligence to improve operations. With extensive centralized management capabilities for devices, data, applications and machine learning models, Litmus is the standard for enterprise-class, large-scale Industrial IoT deployment at the edge.



One Platform

Everything you need for Industry 4.0 including complete OT connectivity, machine analytics, data integration and application enablement.



Device Connectivity

Rapidly collect and normalize data from any modern or legacy OT asset into a standard format ready for use by edge and enterprise applications.



Edge Analytics

Access pre-built or custom data visualizations, KPI dashboards, and analytics at the edge to improve OEE, reduce downtime and optimize throughput.



Application Enablement

Host applications in a public or private marketplace, rapidly deploy them using containers at the edge, and run them with complete OT data.



Data Integration

Easily and securely integrate data between OT and IT using pre-built integrations to dozens of cloud and enterprise systems.



Flexible Deployments

Deploy easily into any OT or IT infrastructure – run on any edge gateway, virtual machine or container (Docker, Kubernetes, etc).

Litmus Edge Data Platform Use Cases



Reduce Downtime

Identify potential problems before they impact production and determine the best time to service equipment, reducing unplanned downtime.



Improve OEE

Simplify the calculation of OEE with out-of-the-box KPIs for availability, performance, and quality. Set up alerts and take action to improve OEE.



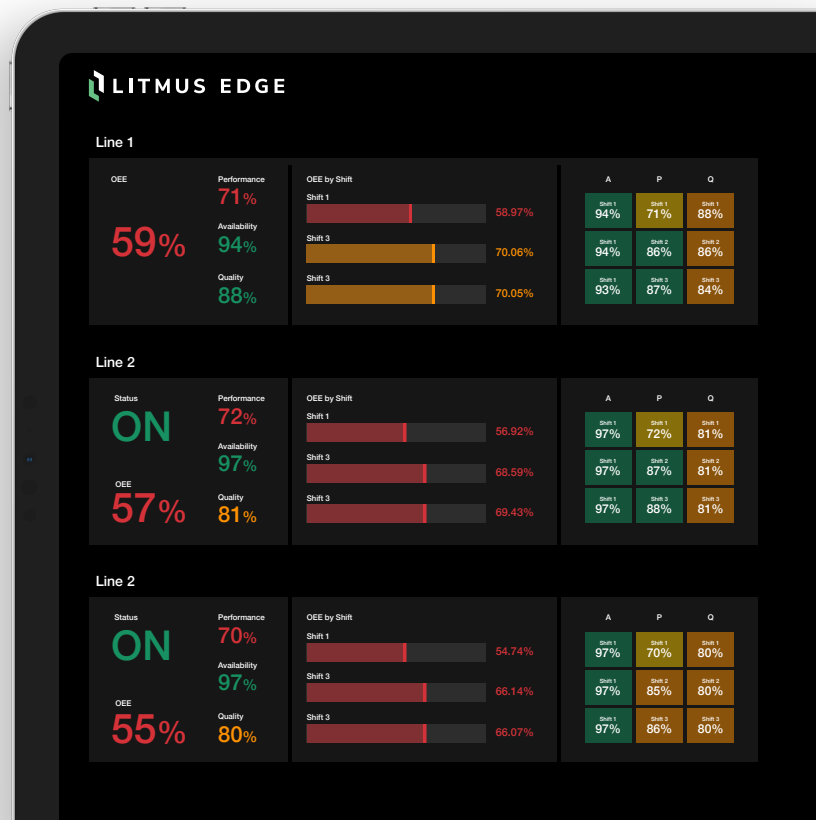
Optimize Throughput

Collect machine and process data and identify opportunities to improve quality, adjust production, and automate workflow to increase throughput.



Increase Yield

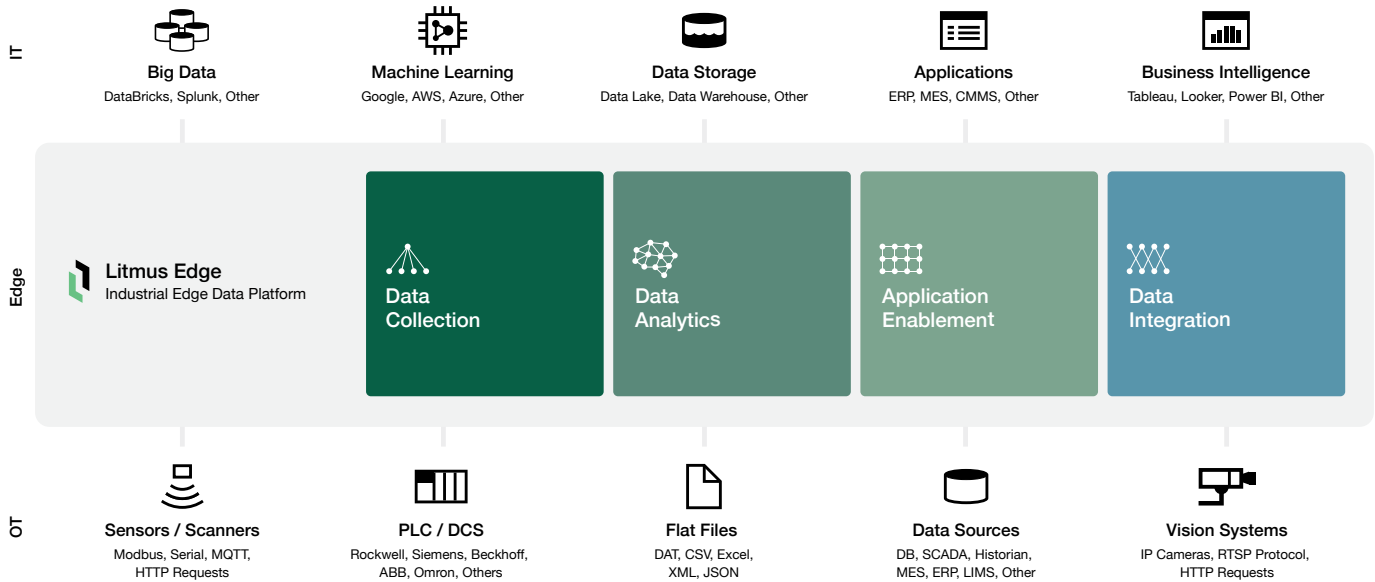
Calculate yield optimization as the number of parts made while minimizing production time, with as little scrap and waste as possible.



Litmus Edge

Industrial Edge Data Platform

Designed for complex OT environments, Litmus Edge is deployed at the edge so OT teams can rapidly collect data and act upon it while keeping production running as planned.



Data Collection

Native Device Drivers

Access 250+ pre-built device drivers – the most in the industry. Our patented technology enables the rapid development of new drivers.

Data Normalization

Collect and structure various OT data types and formats into a standard JSON file ready to be used for analytics and applications.

Data Storage

Store normalized data in a scalable and secure time series database with the option to integrate with any enterprise storage platform.

Data Analytics

Data Engineering

Create data workflows, define data actions, debug data, set up alerts and visualize metadata with a drag-and-drop data processing engine.

Pre-Built KPIs

Improve OEE, machine uptime and production quality using pre-built or custom KPIs to track production time, anomaly detection and more.

Data Visualization

Quickly set up data visualizations and dashboards for OT teams to monitor production using Grafana or any other visualization tool.

Application Enablement

Application Marketplace

Access a library of 45+ pre-loaded applications, add any type of custom application, and run them at the edge using Docker containers.

Solution Marketplace

Utilize vertical-specific applications for automotive, food & beverage and more to accelerate deployment times and reduce complexity.

Application Runtime

Run any number of applications in a controlled and secure runtime environment using Docker container technology inside the platform.

Data Integration

OT/IT Connectors

Integrate data rapidly with 20+ pre-built OT-IT connectors to Microsoft, AWS, Google, Cloudera and other systems via MQTT, REST API and Kafka.

Data Streaming

Stream complete or select OT data in any format to data teams and systems to support machine learning and other IT initiatives.

ML Runtime

Run any machine learning model trained by any machine learning system at the edge using container technology embedded inside the platform.

