loopEdge ∞

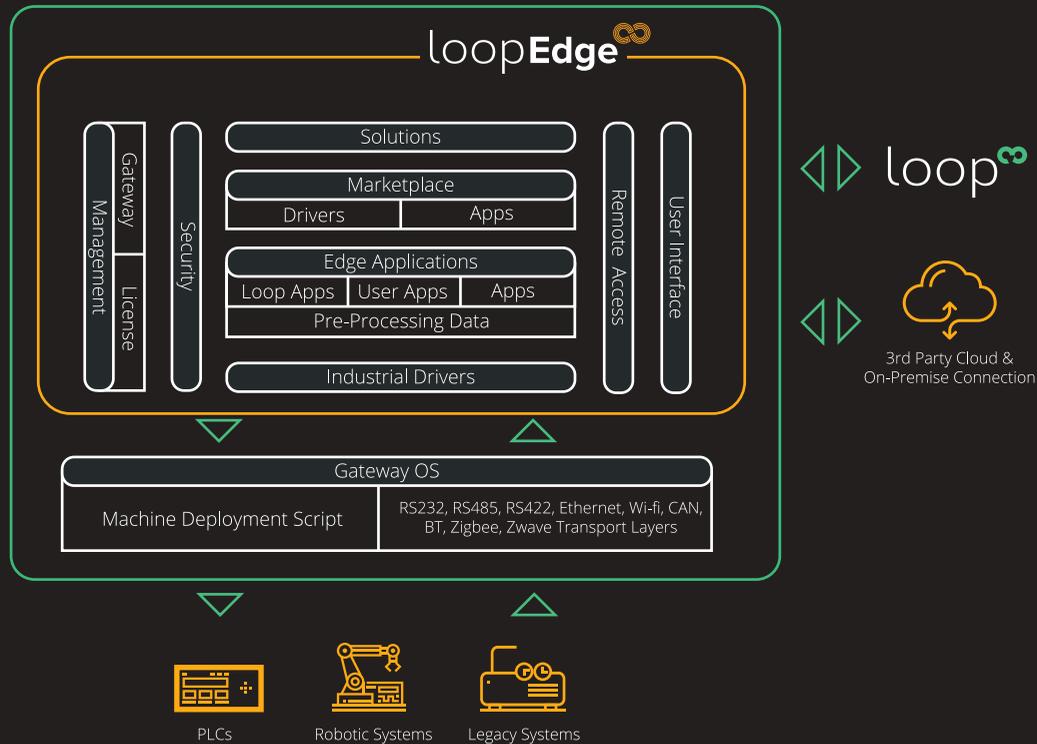## The World's First Complete Edge Computing Platform For Industrial IoT

Seamlessly connect nearly all industrial devices and systems, liberating processing and integrating the data from the factory floor into cloud or on-premise enterprise systems.

loopEdge ∞

- Gateway Management / License
- Security
- Solutions
  - Marketplace
    - Drivers
    - Apps
  - Edge Applications
    - Loop Apps
    - User Apps
    - Apps
  - Pre-Processing Data
  - Industrial Drivers
- Remote Access
- User Interface

loop³

3rd Party Cloud & On-Premise Connection

Gateway OS

Machine Deployment Script	RS232, RS485, RS422, Ethernet, Wi-fi, CAN, BT, Zigbee, Zwave Transport Layers

PLCs   Robotic Systems   Legacy Systems

LoopEdge Features

With a proper management UI, LoopEdge enables seamless connectivity to nearly all legacy devices and industrial protocols. Data can be pre-processed, filtered and analyzed at the Edge before sending the data to the Cloud. In addition, LoopEdge provides several key functionalities that are necessary for any IIoT deployment.

- Legacy device support based on industrial drivers.
- Security monitoring for access and threat detection.
- Datahub for aggregating device data and storing locally.
- Efficient application deployment from our public or private marketplace.
- Process, Analyze and filter data with a codeless, flow-based configuration UI.
- Native cloud connectivity to Loop and other 3rd party platforms.

IoT Edge ScoreCard 2018 machnation

Rated as a Leading Vendor on MachNation's 2018 IoT Edge ScoreCard

LITMUS Automation

Have Questions? Contact Us
litmusautomation.com/contact

DeviceHub

In just a few clicks, DeviceHub lets OT/IT teams quickly and easily connect to any PLC, Robotic system, CNC and other industrial systems.

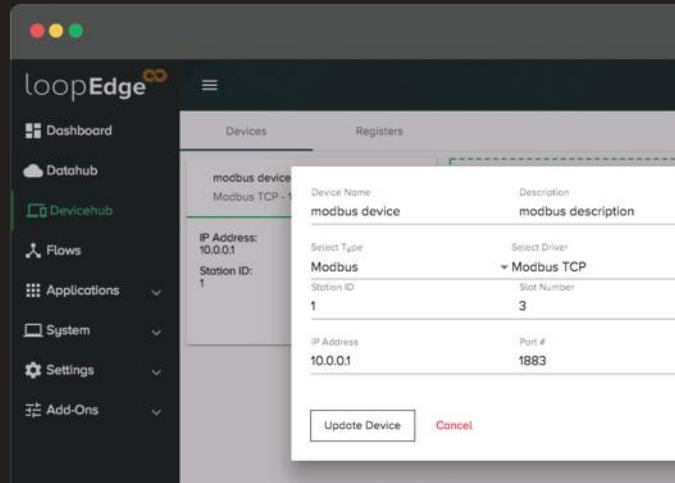**Extensive Industrial Device Connectivity**
Including support for Modbus RTU, Modbus TCP, Ethernet/IP, EtherCat, Profibus, Profinet, Enchelon, Ethernet with HTTP, BacNet/IP, OPCUA, and many more!

No Coding Required
Start collecting data with the help of a configuration based interface to connect to nearly any industrial device or system. Select the driver and define the IP address, and your device is connected. It's that easy!

Standard Data Outputs
Data is always standardized in JSON and IPSO-JSON formats. Also, with Worker Mode, tens of thousands of industrial tags can be defined and polled at a high frequency with data available as a real-time subscription mechanism.

DataHub

DataHub includes a native and highly scalable message broker to publish or subscribe to data from various topics with high security and isolation so multiple applications can consume data at the same time.
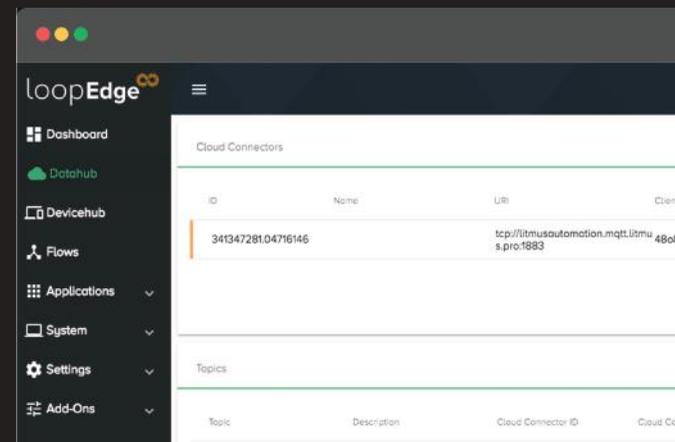
Native Cloud Connection
DataHub's Native Cloud Connection collects data from a local message broker and local databases to push to the Cloud via MQTT, REST or AMQP. LoopEdge devices can also be managed through LWM2M from the LoopCloud platform.

Run Offline
DataHub allows LoopEdge to run offline, but can push all offline data to the Cloud once an internet connection is established. This helps in situations where network connectivity is not always strong.

Flexible Cloud Support
Natively integrated with the LoopCloud platform for device and data management in the Cloud, however you are able to configure your own Message Broker to push data to your IoT platform.

loopFlows

Complete data manipulation and access on the fly with a drag and drop interface.

Flexible Data Ingestion
Data can be collected from LoopEdge's DeviceHub, 3rd party databases, enterprises systems and various file types.

Complex Event Processing
Process, filter and analyze data with the ability to write application logic using JS & Python, including functions, as well as rules and alerts for event processing. No coding is required with a drag and drop interface.

Synchronization & Flexibility
Sync flows to the cloud and quickly create new versions of the code to push to devices.

Edge Marketplace

Have immediate access to a marketplace of popular 3rd party databases, CEP tools and data analytics applications, populated by Litmus Automation and partners.

 + Many more

Application Deployment
Deployment is based on container technology, such as Linux LXC / Docker based application deployments, which can also be managed at the cloud level so you can control and deploy your applications to the edge.

Private Applications
In addition, LoopEdge allows applications to be created, hosted and monetized through a private marketplace, which can be made available to your end customers.

Seamless Integration
with Remote Access

LoopEdge works seamlessly with the LoopCloud platform for Cloud level processing and Device Management. Access your LoopEdge devices from anywhere via the LoopCloud platform Remote Access feature, allowing flexible and secure access of your LoopEdge Devices for troubleshooting and configuration.