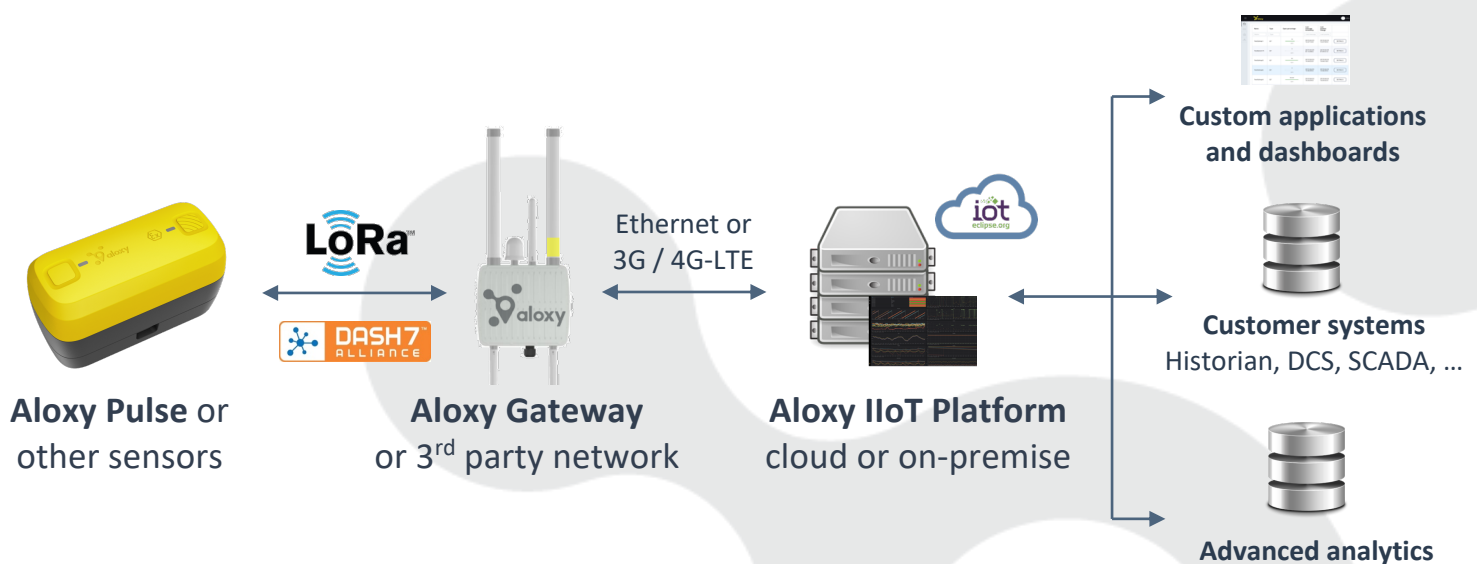


Aloxy IIoT platform

The Aloxy Industrial IoT platform is an essential part of the solutions provided by Aloxy. The IIoT platform is hosted **in the cloud** or **on premise** and required to further process the sensor data. This might be required to accurately determine the valve position or to normalize data from different sensors. The platform is used for **device management**, **network monitoring**, **data integrity** and **battery lifetime optimization**.



The **Aloxy IoT platform** can be used as a **stand-alone** management platform or **integrated with any customer system**.

Device management

Manages all connected devices, including their **commissioning** and configuration, perform OTA **firmware updates**, **monitor and tune device operation**

Network monitoring

Monitors and configures the wireless network by means of an embedded or external LoRaWAN network server and **alerts** when quality drops

Data integrity

Payload normalization, digital twin, identity and access management, **data consistency checks**, ...

Open source

Built on open source components offering **transparency, active community support and avoid vendor lock-in**

Easy integration

Offers an **open and documented API** to interface with external systems (HTTP, Kafka, MQTT, AMQP, MODBUS, PROFIBUS, ...)

Containerized framework

Deploys on Kubernetes in a **public cloud, private cloud** or fully **on - premise** while offering scalability, redundancy, data isolation and disaster recovery