

Lobaro IoT Platform

The Lobaro IoT Platform operates as a **Head End System for IoT Devices**. The Platform is optimized for but not limited to handle Lobaro devices.

- Public Lobaro instance: platform.lobaro.com
- For On-Premise hosting check out [Hosting & Licensing](#)

The documentation will always reference the Public Lobaro instance.

The screenshot shows the Lobaro IoT Platform interface. At the top, there's a header with the Lobaro logo and 'TR-TEST' status. Below the header, there's a navigation bar with 'Devices', 'Data', 'Integrations', 'Device Types', 'Organisation', 'Configuration', and 'Tools'. The main content area shows a table of received data for a device named 'MPW1.3.2 - 1nce'. The table has columns for 'RECEIVED', 'WMBUS RECEIVED', 'ID (DLL)', 'ID (TPL)', 'M-FIELD', 'TYPE (DLL)', 'CI', 'LEN', 'RSSI', and 'ENC. MODE'. There are four rows of data. Below the table, there's a section for 'ID: 10100124405 (V9)' with details about the device, including 'SEN: Senza-Messung Systems, Germany, Europe', 'Water (v077)', and 'Layer: LRS Layer'. There's also a section for 'wMBus Data' with a table of data points and a 'Payload encrypted' status.

Features

- Multi tenant (Organisations) with branding / white labeling
- IoT Device Management
- Support for all Lobaro Devices
- Possibility to integrate 3rd party IoT Devices (LoRaWAN, NB-IoT, ...)
- Device configuration
- Firmware updates
- Data parsing and persistence
- Device protocols:
 - LoRaWAN Network Server
 - CoAP
 - HTTP
 - Manufacturer specifics
- Connect devices via:
 - LoRaWAN
 - NB-IoT
 - LTE-M
 - GSM / LTE
 - etc.
- APIs to access or forward data to Use-Case specific applications

We offer free access to the platform for tests and integrations (up to 12 Month) with the purchase of any Lobaro device in our shared instance. In addition we offer private instance hosting or On-Premise (any Server with Root access).

Overview



You can find your organisations name next to the Logo. Admins can change their organisation by clicking the small Icon next to it.

- **Devices:** Manage all devices of your organisation.
- **Data:** See incoming data of all your devices.

- **Integrations:** Manage data connections to and from other applications. (See: [Integrations](#)).
- **Organisation:** Manage all organisation related data.
- **Configuration:** Platform administration of global entities independent of the Organisation (Admins only).
- **Tools:** wMbus Parser and Hardware Activation.

The platform shows device data received via various data sources like LoRaWAN, NB.IoT, GSM, etc..

The connection to a device is handled by a `Datasource`. Incoming data is mapped to a matching `Device`. Raw data is saved as `Uplink Message`. The `Uplink Message` gets processed by a `Parser`. The result of the parser is saved as `Device Data` used for visualization inside the dashboard and in outgoing API's.

