

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

The documentation will always reference the Public Lobaro instance.

The screenshot displays the Lobaro IoT Platform interface. At the top, the 'Lobaro' logo is visible alongside the 'TR-TEST' status. The navigation menu includes 'Devices', 'Data', 'Integrations', 'Device Types', 'Organisation', 'Configuration', and 'Tools'. The 'Device Data' section is active, showing a table of received data. The table has columns for 'RECEIVED', 'WMBUS RECEIVED', 'ID (DLL)', 'ID (TPL)', 'M-FIELD', 'TYPE (DLL)', 'CI', 'LEN', 'RSSI', and 'ENC'. The data rows show timestamps, IDs, and sensor readings. Below the table, there's a detailed view for a specific device ID: '10100124405 (V9)'. This section includes the device name 'SEN - Sensor Measuring Systems, Germany, Europe', the layer 'Water (v077)', and a list of fields: 'C-Field: DevId (BID\_140)', 'CI-Field: DevId (Preamble)', and 'AccessNumber: 211'. At the bottom, there's a section for 'wMBus Data' with a table of descriptions, values, and storage IDs.

## Features

- Multi tenant (Organisations) with branding / white labeling
- IoT Device Management
- Support for all Lobaro Devices
- Possibility to integrate 3<sup>rd</sup> 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



**Lobaro**



**Lobaro Platform**

Devices

Data

Integrations

Organisation

Configuration

Tools

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.

