Small Devices, Big Impact.

Digital Ecosystem & the advantages of integration

BELIMO

Belimo Company Facts
Successful by focusing on HVAC field devices

Founded: 1975
Headquarters: Hinwil
Switzerland

Listed at the Swiss Stock Exchange since 1995.

Over 100 million actuators for the control of HVAC in the field.

Approximately 2, 000 employees worldwide in over 80 countries on all continents.

We invest more than 7% of our sales every year in research and development.

Global market leader in the development and production of field devices for the regulation and control of HVAC systems.

Applications
Heating, ventilation and air conditioning in buildings

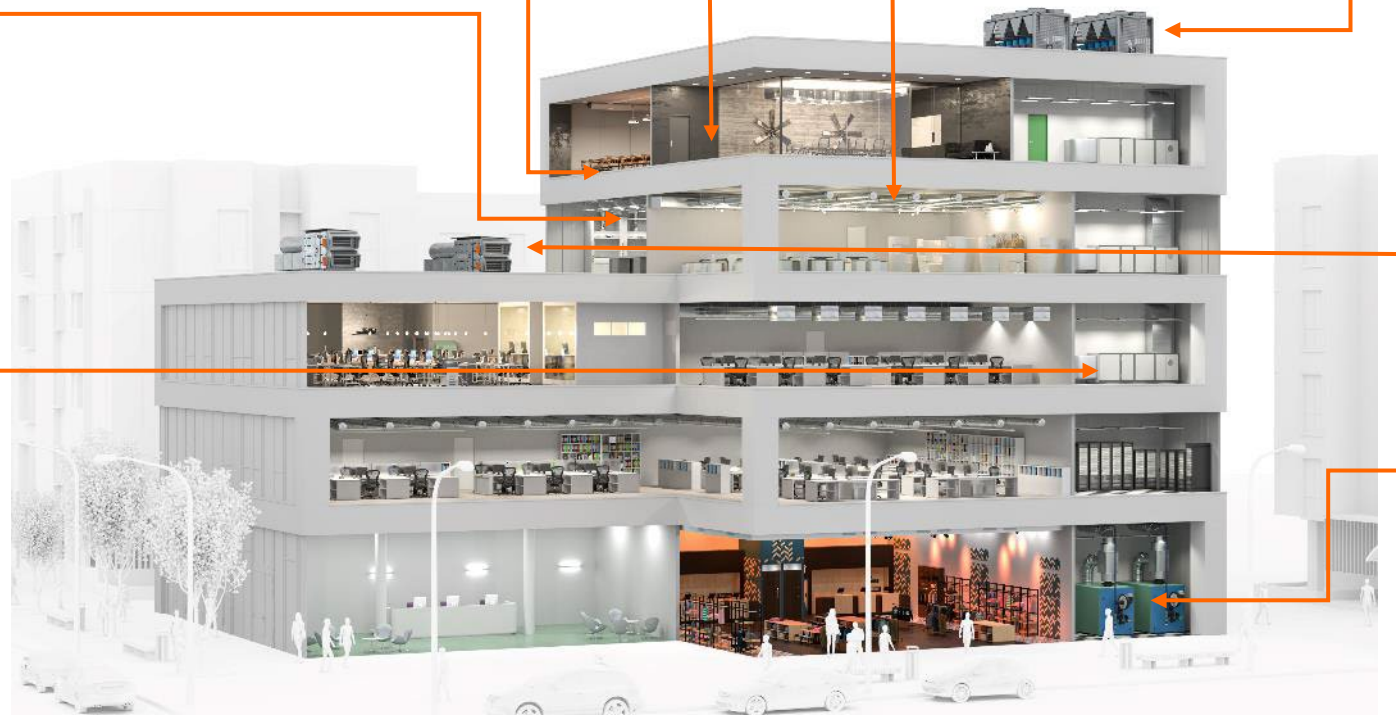
Air

Fire & Smoke Protection

Air Handling Unit

Room Comfort

Room



Water

Cooling Tower

Cooling Plant

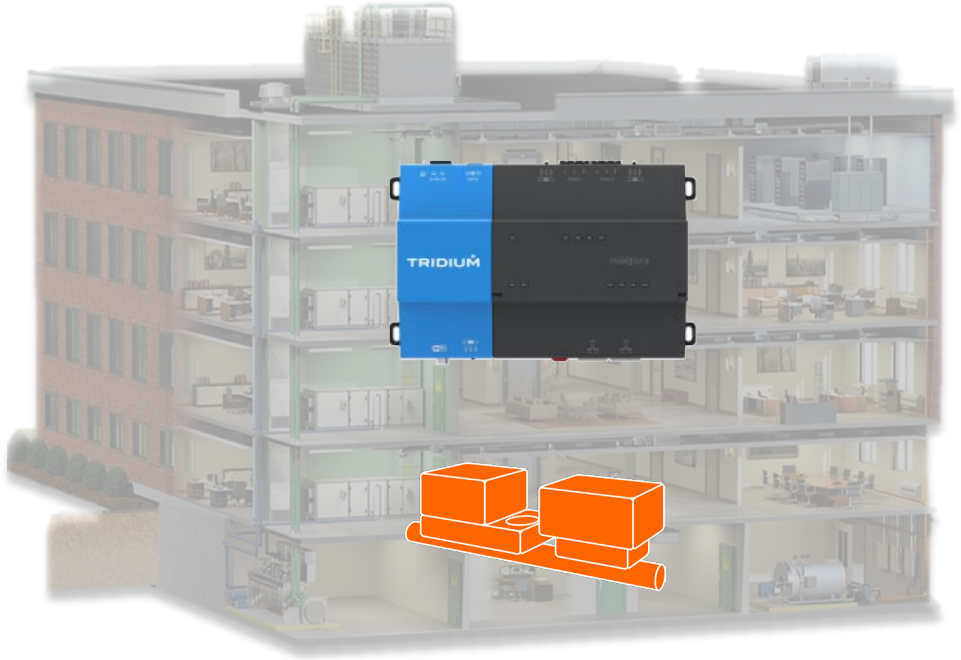
Heating Plant

Integration
Enable Smart Buildings

We aim to provide **valuable device data** in order to **increase transparency** in a building.

Thanks to this transparency, operation can be optimized, and overall energy consumption reduced – in new systems as well as in retrofitting or renovation projects.

Our products are always integrated into a system and therefore **connectivity has always been a key feature of our products**.



Analog

BACnet

Modbus

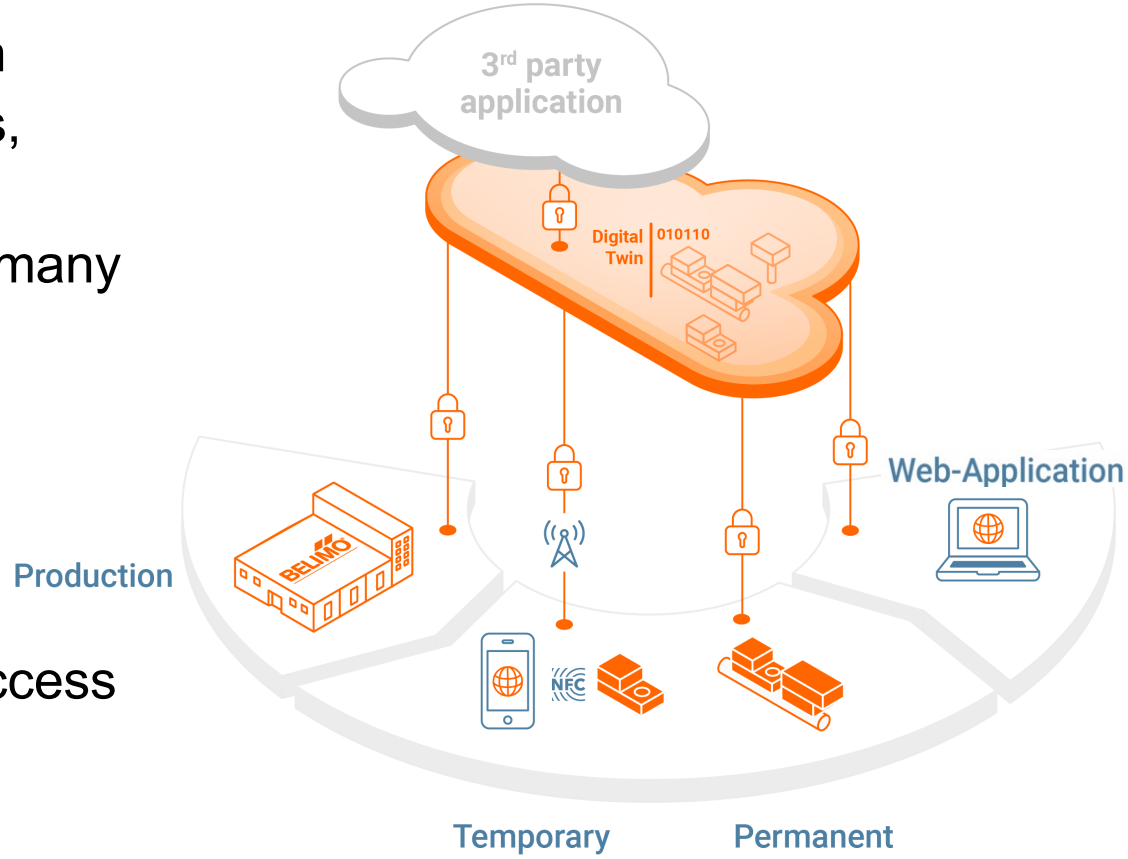
KNX

Belimo Cloud Ecosystem
Be ready for the future

The **Digital Twin** is the point of connection between Belimo IoT devices and the digital world of Analytics, Fault Detection and Diagnostic FDD, Billing, Asset Management CMMS, Predictive Maintenance, and many others

IoT-enabled products

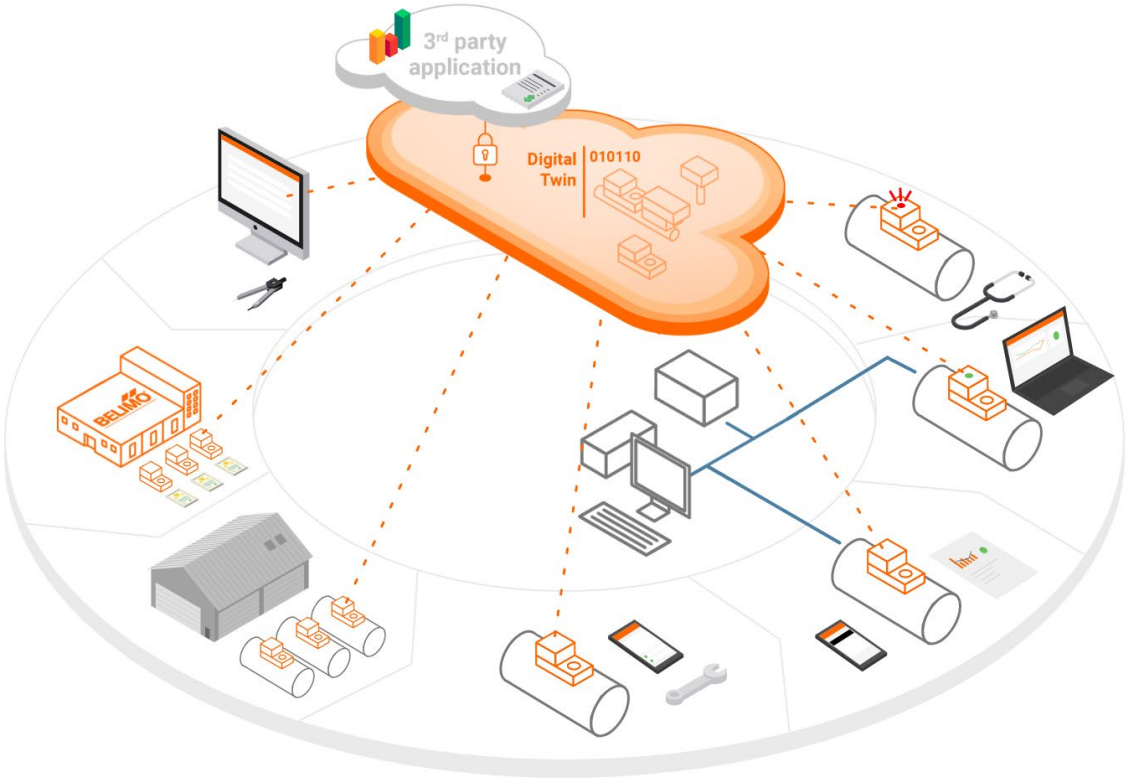
- Permanent Ethernet connection
- Temporary data synchronization and/or remote access via Smartphone (via NFC)



Digital Twin
Valuable data over the entire lifetime

With our Belimo Cloud Ecosystem we can meet all needs for **additional product data** while maintaining a **lean and simple device**.

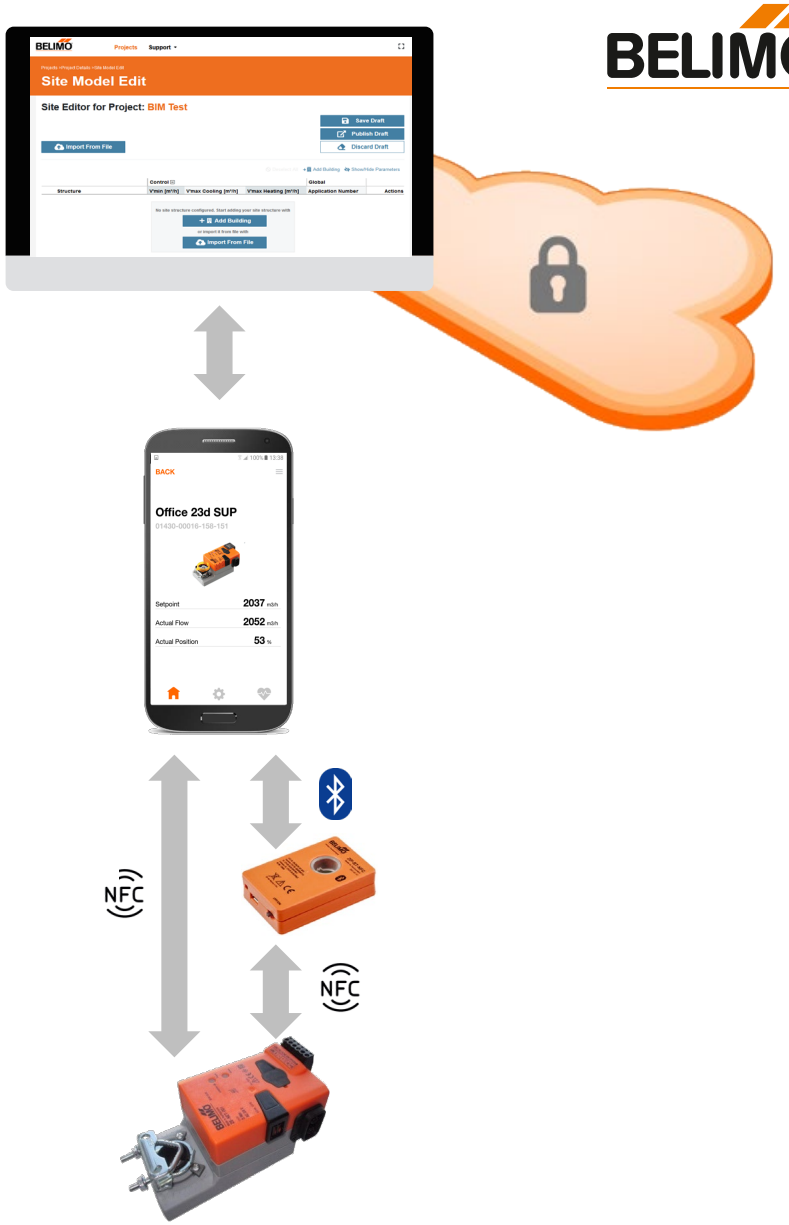
Historical data, commissioning, performance and water calibration reports, backup of device settings are just some highlights that can be offered thanks to the digital twin.



Simplifying workflows
Paperless commissioning

Our ecosystem allows us to offer further product related services like **paperless commissioning**.

- Completely digital planning process
- Paperless & transparent commissioning with the smartphone
- Actual project progress can be viewed at any time
- Creation of the commissioning report at the push of a button

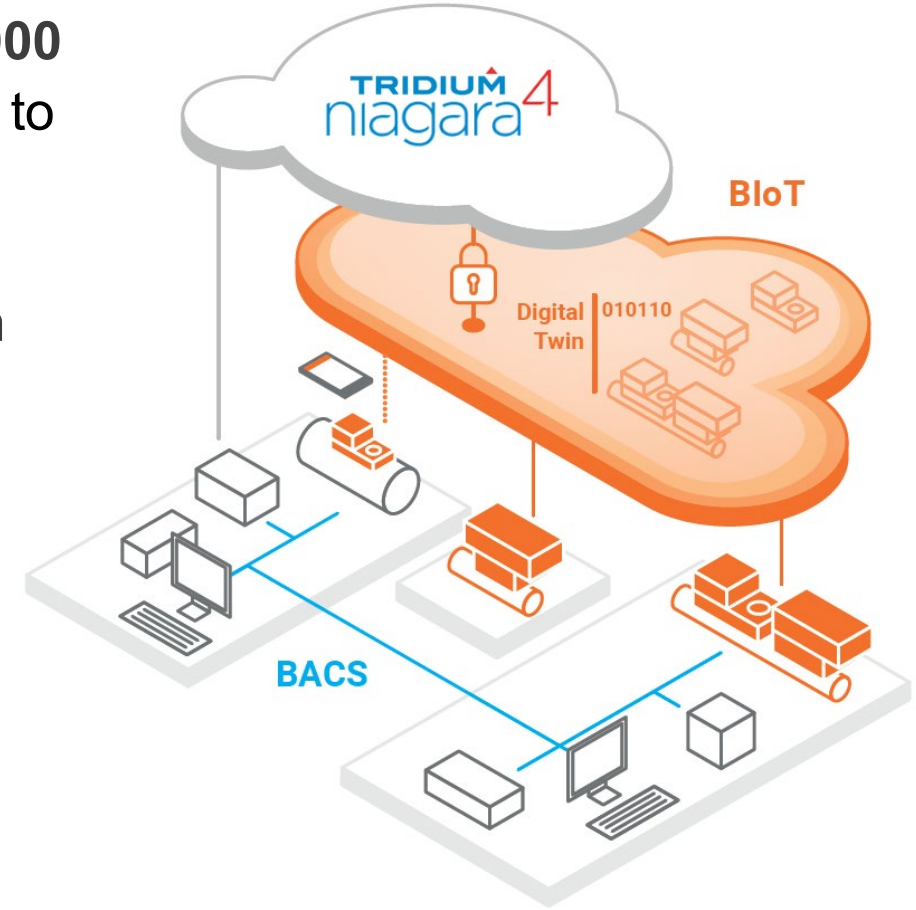


Niagara Driver
Integration is easier than ever before

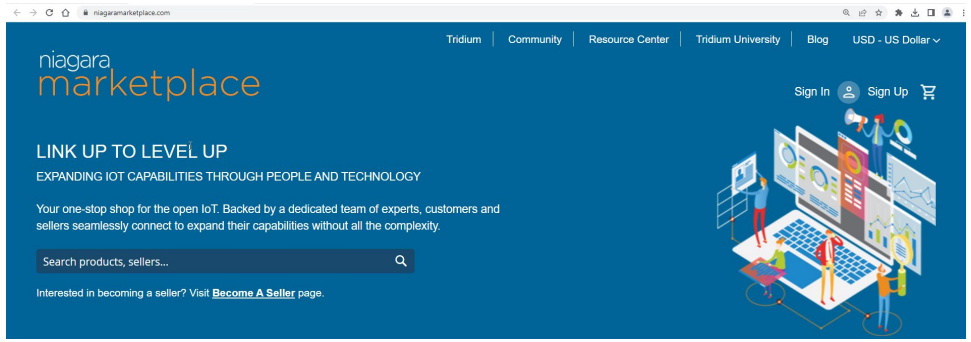
The driver allows **Tridium Niagara 4 supervisor, Jace 8000** and any other device running a Niagara station to connect to the **Belimo Cloud Ecosystem**.

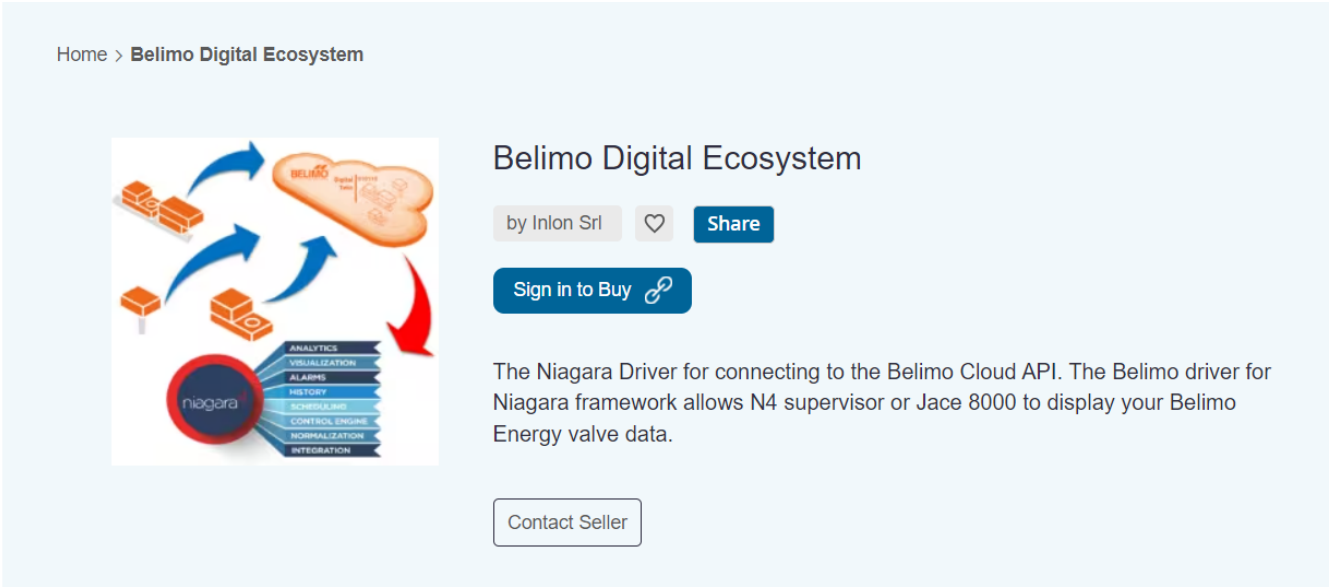
The **interaction** with the digital twin **becomes easier** than ever before.

It implements the **Belimo Cloud API**, and it has been developed within the Belimo Developer Space framework.



Niagara Marketplace

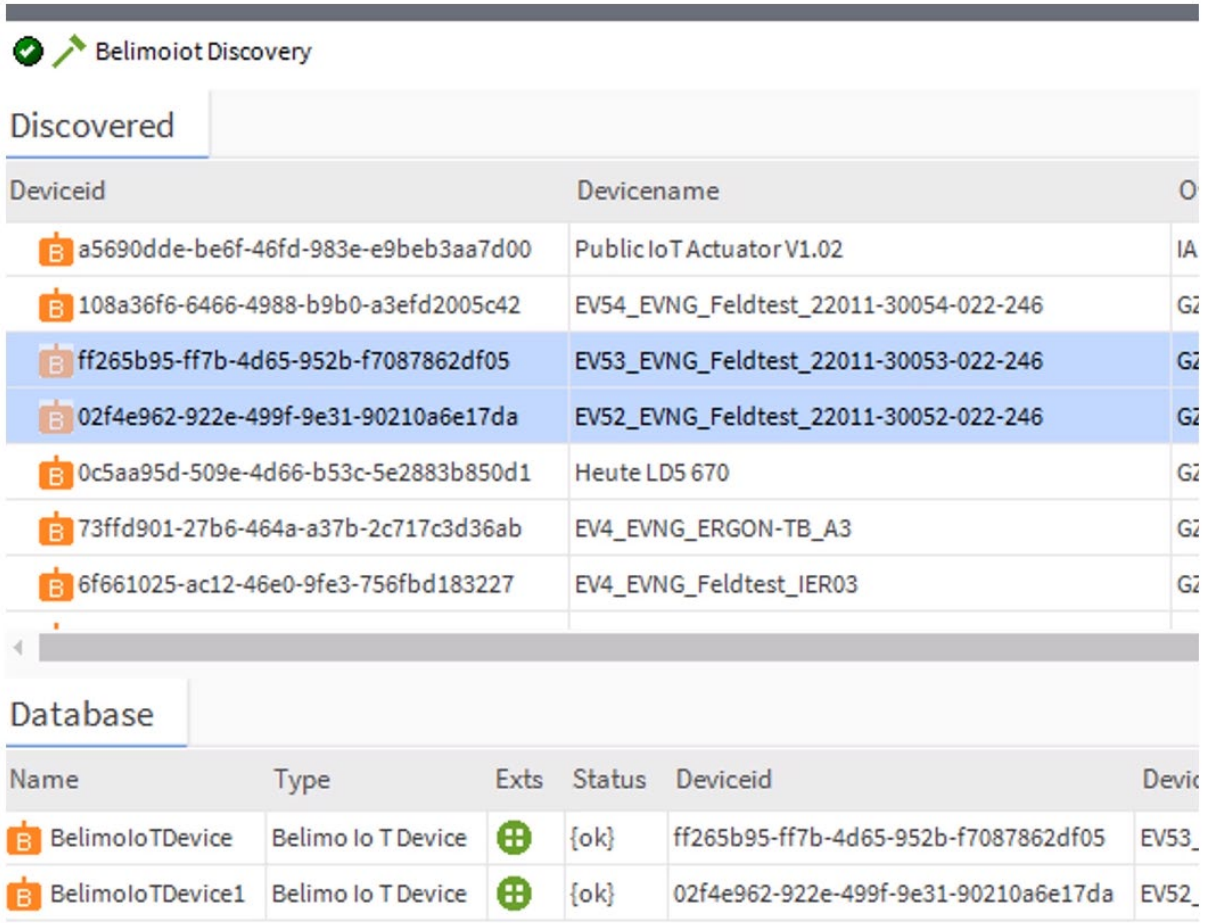




This driver has been developed by Inlon Engineering, and it is distributed for free on GitHub: https://github.com/inlon-engineering/niagara-belimo-iot

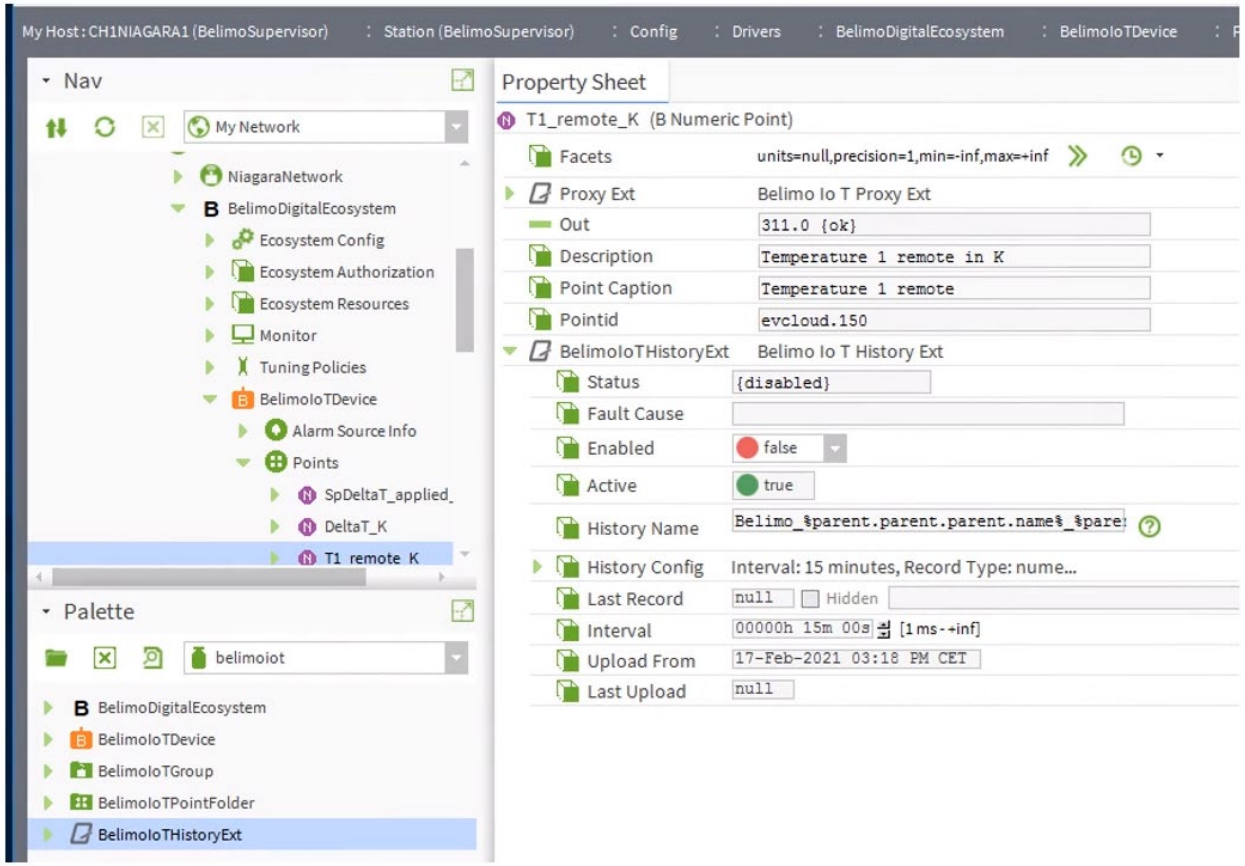
What can it do

Once the connector is active and properly configured, it is possible to **discover the digital twins of the devices** belonging to a specific Belimo ID and import them in the local Niagara Database



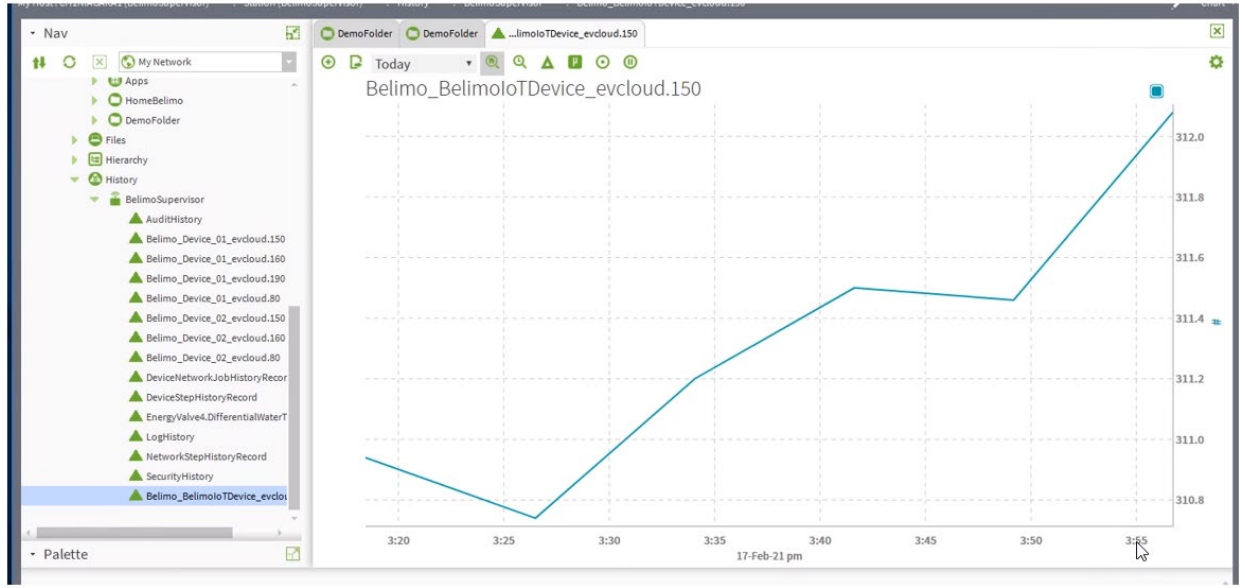
What can it do

Get **normalized data points for the Niagara** environment and map them directly to the Belimo digital twin data points' properties



What can it do

No need to log the data yourself. **Access historical data** of the device for its entire lifetime. Simply get the data over the needed time span and in the resolution, you need.



How to make it work

Requirements

- At least Niagara 4.9 Framework
- A supervisor licensed installation
- Enough licensed resource points

To access to the Belimo Digital Ecosystem you will need

- Active Belimo Cloud Account – Belimo ID
- To apply for an application-specific Client ID on developer space https://www.belimo.com/iot/developers

How to make it work


Installation
Comfort
Maintenance
Small Devices,
Big Impact.
Energy Efficiency
Safety


BELIMO®