

PRODUCT CATALOGUE | 2019

SOLUTIONS FOR THE INDUSTRY 4.0

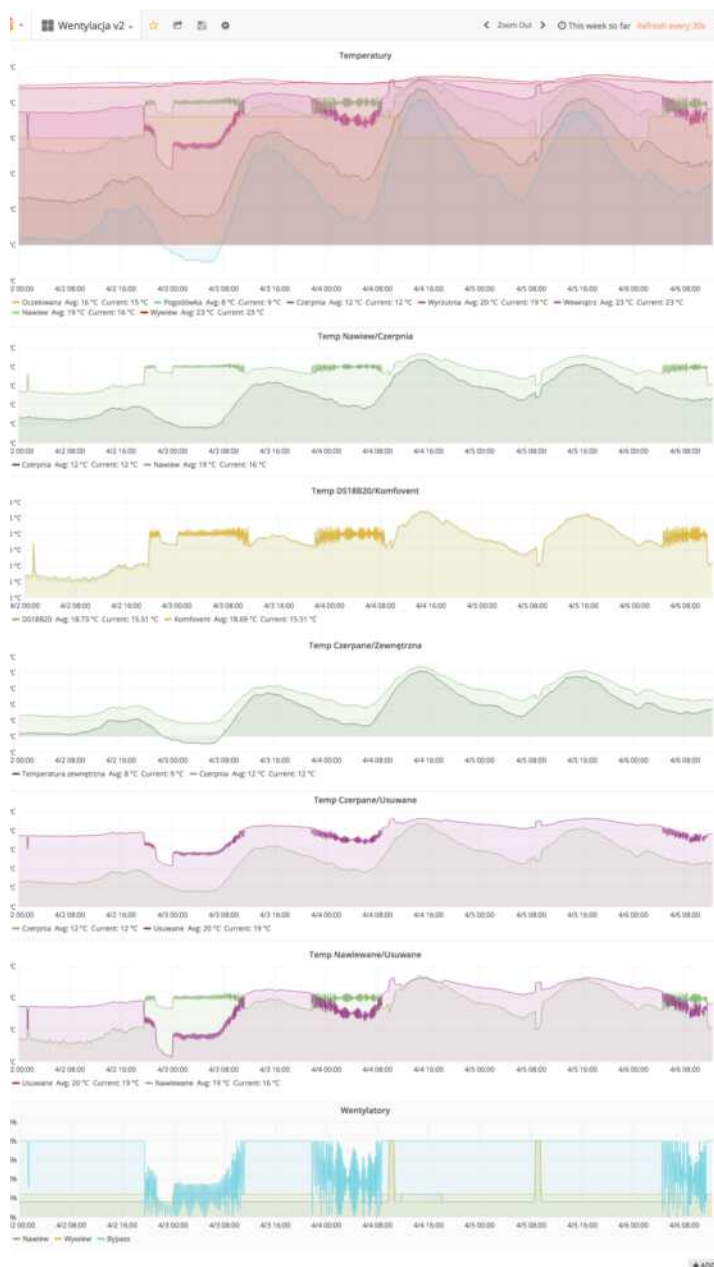
connectorio 

INDUSTRIAL REAL-ESTATE

SYSTEM BENEFITS

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2019 CLOUD BMS/SCADA

ConnectorIO is a **Cloud device integration and management solution** designed for industrial facilities and logistics centers.

Unlike traditional systems, we enable the integration of devices from different suppliers, thanks to an **open architecture**.

We facilitate the modernization of technical installations where there is no budget for it, thanks to a SaaS payment model (integration as a service).

ConnectorIO measures the **performance and energy efficiency** of systems in real-time and generates **reports** for maintenance and management departments.

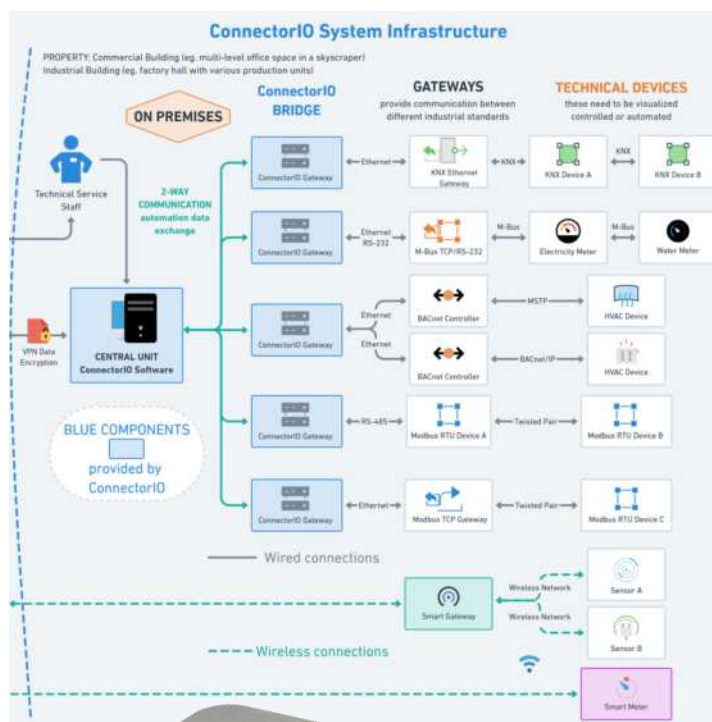
Thanks to the **digital-twin** feature any integrated hardware can be freely grouped and placed in the system allowing the user to estimate the loads and media **costs per unit/zone** in an industrial facility or warehouse.

In industrial facilities it is necessary to monitor **peak electricity** consumption. Enterprises are charged extra for exceeding ordered power schemes.

ConnectorIO visualizes electricity consumption on an ongoing basis in the form of charts, on which oversized power values can be **captured in advance**.

As a result, the company will avoid additional bills and **unforeseen costs**.

MEDIA MONITORING IN REAL-TIME



HARDWARE MAINTENANCE DEVICE MONITORING

Technical systems in industrial facilities are usually dispersed in different areas. Supervision over them will be facilitated by **remote** monitoring in the user panel available on **mobile and desktop** devices.

The **ConnectorIO** system can operate both in the **cloud** and **locally**.

The devices are integrated into the infrastructure via an industrial computer, by means of **wired or wireless** connection. Wireless connectivity allows you to integrate systems that are difficult to access due to the distance or geometry of the building.

The **central user panel** allows you to control the operation of devices, display alerts, as well as the exact parameters of the equipment from anywhere.

This **saves time** on technical patrols and predicts the need to service the devices in advance.

A frequent barrier against centralization of systems in one software is the diversity of suppliers and incompatibility of devices.

ConnectorIO supports the **most popular** communication standards such as:
BACnet, Modbus, KNX, OMS, ZigBee, ZWave etc.

We provide the ability to support subsequent **extensions** that are implemented in the software layer, and not in hardware drivers, so you can **easily upgrade** the equipment without replacing it.

HARDWARE COMPATIBILITY FLEXIBLE ARCHITECTURE

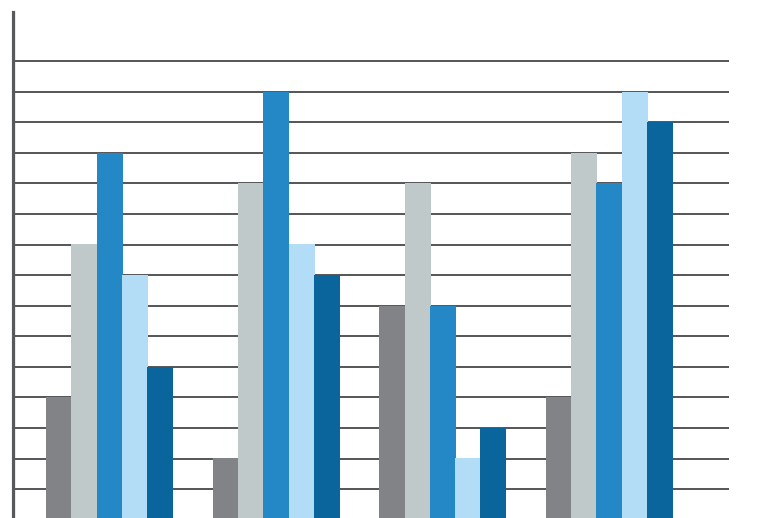
COST PER UNIT CONTROL

SMART REPORTS

Global media consumption for the plant is an important information, but knowing what are the **costs per unit** or **production line** is much more valuable.

ConnectorIO maps devices integrated into the system in the form of **digital-twins**. Digital equipment can be **freely grouped** allowing to generate reports for specific machines corresponding to a manufacturing line.

This allows you to more accurately estimate the **total cost and margin** on products or determine the consumption of utilities for a given zone or warehouse space.



IMPLEMENTATION COST

INTEGRATION AS A SERVICE

Implementation of **ConnectorIO** requires minimal hardware infrastructure.

The installation includes:

- A hardware **Gateway** (computer),
- laying additional wiring or installing wireless communication modules,
- in extreme cases, the integration requires additional gateways or controllers.

Payment for the device monitoring includes monthly fees for data backup and the **ConnectorIO Cloud** service (**SaaS model**). This is convenient as the costs enter into the enterprise's operating expenses.

The monthly fee depends on the number of monitored **data points** (functions) per device.

