

Beaver IoT Powers Hospital Automation Project

Using the open-source platform's built-in capabilities to build solutions for a Croatian hospital

Location: Croatia

Milesight Partner
Emasys d.o.o

Location
Croatia

Platforms & Devices
Milesight Beaver IoT
Milesight Development Platform
WT101*114, UG67*1

Applications
Centralized HVAC Management
Quick No-code IoT Project

Background

The increasing demand for intelligent healthcare environments has become crucial for optimizing patient experience and operational efficiency in medical facilities. IoT solutions enable automated environmental control, reducing manual interventions while enhancing patient comfort.

Our partner, Emasys d.o.o, implemented a smart ward temperature control system in a Croatian hospital using Milesight's Beaver IoT platform. By leveraging the platform's built-in capabilities such as drag-and-drop dashboard widgets, Emasys speedily built and deployed an IoT project that helped the hospital improve patients' living environment and slashing energy cost, demonstrating the platform's user-friendliness, agility and great adaptability.



Challenges & Needs Analysis



Hospitals require precise temperature control in wards, especially when unoccupied.



Traditional thermostats demand frequent manual intervention, increasing labor costs.



The solution needed to be scalable, remotely manageable, and energy-efficient.

Solution

Our partner Emasys d.o.o deployed an intelligent heating control system using WT101 (Smart Radiator Thermostats) connected via UG67 (Outdoor LoRaWAN Gateways). Through Milesight Development Platform, these devices are integrated into Beaver IoT, Milesight's open-source IoT Platform with various existing capabilities for quick IoT projects without code skills.



Implementation

Devices Used:

- Milesight UG67 (Gateway)
- Milesight WT101 (Smart Thermostat, 114 units)

Milesight Platforms:

- Beaver IoT (for dashboard and remote management)
- Milesight Development Platform (for device management & data transmission)

Deployment:

- Docker-based localized setup for Beaver IoT.
- Beaver IoT comes with the Milesight Development Platform Integration and the client does not need to integrate the two platforms.

Key Features Enabled

✓ Real-time monitoring & control of valve status and temperature.

✓ Child lock functionality for safety.

✓ Custom heating schedules for different thermostats.

Outcome

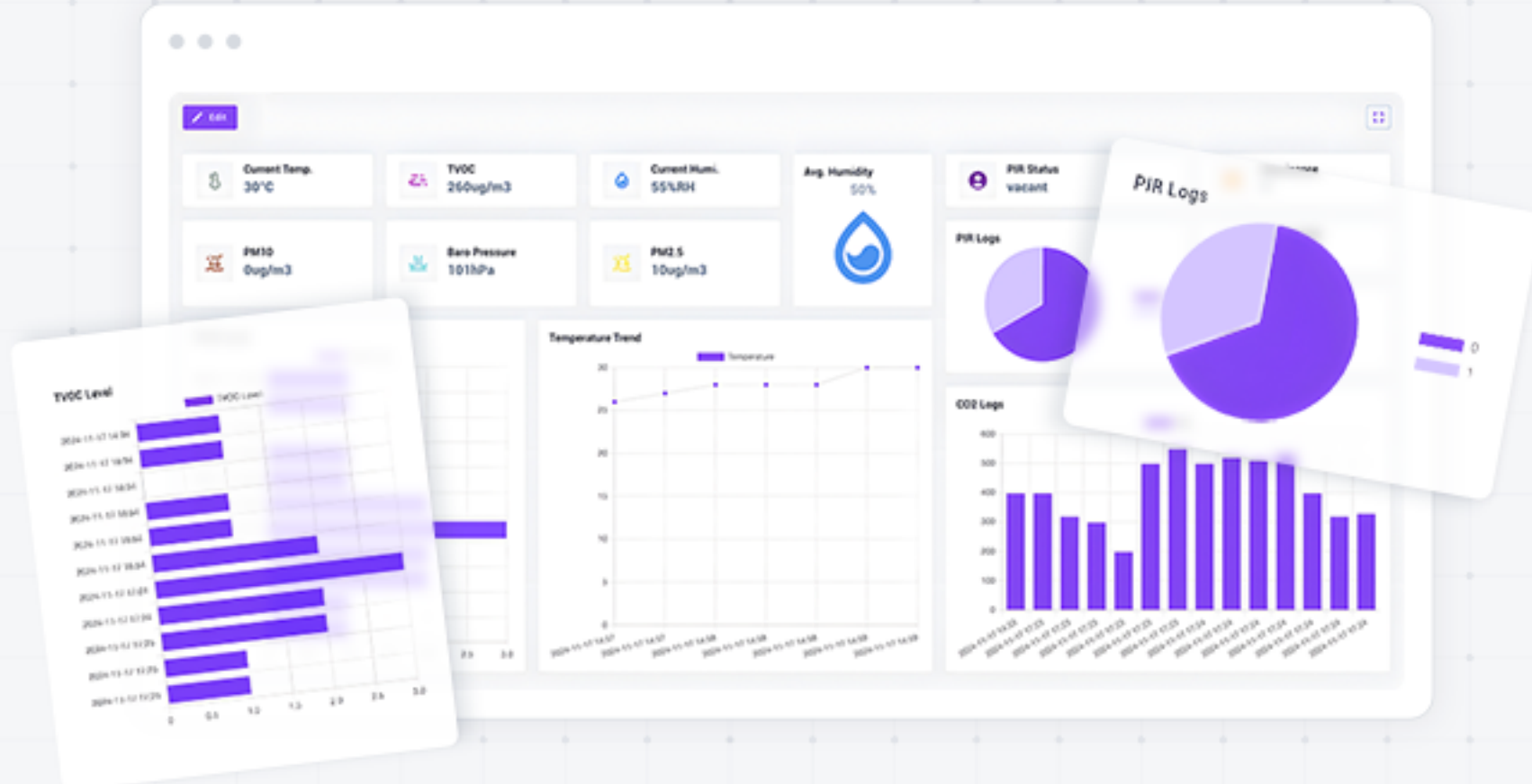
Emasys d.o.o efficiently deployed a centralized, energy-saving thermostat system with:

Reduced manual workload for hospital staff.

Remote temperature management via an intuitive dashboard.

Flexible heating plans for optimized energy use.

What is Beaver IoT



Beaver IoT is Milesight's open-source IoT platform that lets you intuitively create your unique IoT application where you can collect, visualize, and analyze data, or custom develop your own integrations for extended possibilities.

[Learn more](#) →

Related Products & Platforms



Why Milesight



The sleek design of the valves matched our technical requirements perfectly, and their non-invasive installation meant the system was up and running in no time. The LoRaWAN gateway provided excellent coverage, even in more challenging parts of the building. The system allows us to define separate heating schedules for different rooms or areas, optimizing energy consumption according to actual use. With precise control and monitoring, we have equipped our client—already committed to energy efficiency—with the means to unlock even greater energy savings. The Milesight team offered outstanding support throughout the entire project.

—Josp Petanović, Director, EMASYS d.o.o.



Milesight Partner

About Emasys d.o.o

Emasys d.o.o specializes in remote-controlled energy and water management systems, helping businesses optimize operational efficiency.