

Made in RILHEVA

A real
Internet
of Things
story



Mercedes-Benz

 **SENECA**

Co.G.eco.s.r.l.

RILHEVA
IIoT Platform



The best of IIoT technology for the Mercedes-Benz Rome headquarters

An IIoT platform-based remote control system protects the main **Mercedes** dealership in **Rome** from the floods of the Tiber river. It is created by **Cogeco** using **SENECA** Italian technology (data acquisition and local control) and **Rilheva** (IIoT platform).

The customer

Rome branch - with approximately 585 employees - is the world's largest commercial branch within the **Mercedes-Benz group (Cars)** outside Germany and the first Smart Center in terms of sales and service volumes.

The request and the solution

The Roma Nord office is located in Via Salaria, just near the Tiber river. Combining IoT technologies of **Seneca** and **Rilheva**, together with the integration of **Cogeco** system, purification plant and pumping system are efficiently managed.

Hardware devices are provided by **Seneca**, the IIoT platform by **Rilheva** and FTTC optic fiber connectivity by Autostar Immobiliare.

This winning combination led to a **Cloud** remote supervision and control system, by using the state of the art technology. Measurement, **MQTT** realtime communication, data collection, alarms, analysis, commands and much more. All via **WEB** or **APP**.

SENECA hardware devices

Local data collection, control and visualization hardware is provided by **Seneca**. The core device is the **Z-GPRS3** unit. As all the other SENECA smart dataloggers, Z-GPRS3 meets the increasing needs of data collection, real-time analysis and IT systems integration. It's available with embedded UPS and integrated I/O channels, dedicated programming and visualization software, serial and Ethernet communication, GPRS modem and Cloud solutions integration.

Particularly worthy of attention is the communication system towards the IIoT platform. Specifically, the **MQTT protocol** was applied in native mode on both Z-GPRS3 and Rilheva. This protocol, developed for the IIoT world, grants total secure transmission and high data compression, thus optimizing communication between field and Cloud.

Rilheva IIoT Platform

Rilheva IIoT Platform is an innovative digital platform to securely access remote devices and to monitor process with a **WEB Scada** system.

Modular structure, easy setup and no initial investments (SaaS solution - Software as a Service) allow to meet any customer requirement and to enhance access to the IIoT world.

Customized **dashboards** with attractive graphics in just a few minutes, defined and log **KPI** process, alarm notifications directly on your smartphone: all this comes with Rilheva IIoT Platform.

Customer benefits

Based on **simplicity** and **effectiveness**, this system always makes you aware of the actual plant status, **allowing** - in addition - **to act remotely**, as if the operator were on site.

This is a huge benefit, considering the location near the Tiber river and due to the devastating flash flood we are unfortunately getting used to. The system grants that - in automatic or manual mode - **the dangerous flooding of the structure can always be avoided**.

Total control and top safety: mission accomplished!

SENECA



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