



Made in RILHEVA



A real
Internet
of Things
story





An essential tool to increase efficiency and reduce service costs



F. Milanese - Software Manager - Rhoss

The Company

Rhoss - a NIBE Group Company - is specialised in designing and manufacturing of machinery and systems for the HVAC market.

Founded in 1968, the company became immediately a market leader in steel boilers production for domestic heating sector.

In 1971, Rhoss launched the production of fan coils and refrigeration groups, entering into the air-conditioning industry.

Since more than 50 years, we guarantee innovation, quality and service at maximum levels: today Rhoss is the ideal partner for HVAC plants professionals, offering high performance products and systems compliant with the most modern requirements of Green Building.

Goals and challenges

Rhoss installed first **TurboPower** units - our newly designed machinery with **Turbocor** compressors - on the roof of an important building in **London**, at Sloane Square, few steps away from Westminster and Buckingham Palace.

A primary requirement was to **actively monitor** the machines behaviour both during **startup** and in the **long run**. We could also **modify unit parameters** directly from Rhoss HQ in Italy, tuning the thermal charge and avoiding unsuitable working conditions. As we couldn't access the building internet network, we leveraged the Rilheva gateway embedded 3G connection to connect to the machinery PLC via 3G network.



Rilheva solves

Rilheva IIoT Platform's VPN CONNECT service, combined with the **3G** network connection, was essential for connecting to our machines and manage them **as if they were physically located in our HQ in Italy**. This allowed our Service team to remotely **update the unit firmware** thanks to the data retrieved without the intervention of a local operator.

Furthermore, the easy-to-use Rilheva interface allowed us to punctually analyse a **large amount of data** collected during the first months of operations and to verify historical trends of the main operating parameters.

Why would you recommend it?

Rilheva has a quick, "plug & play" setup process and fully customisable access levels, both from Italian HQ and the local assistance center. Avoiding local interventions for controlling and modifying parameters is an immediate **economic advantage**. Last but not least, the plus of remotely learning about the real-world behaviour of our machines is an undeniable **long-term benefit**, which allows us to constantly improve the reliability of our products.

