

Siemens and AB Holding: together for a more sustainable future

Digital Solutions for Sustainability in the Industrial Sector

Location: Orzinuovi (BS), Italy

Highlights:

- SIMATIC Energy Manager PRO: a web-based platform specifically designed for industrial energy monitoring on distributed architecture
- A data management process that enables energy efficiency and sustainability



AB Holding SpA

AB is now the global reference in the field of energy sustainability. The company offers a wide range of solutions: from cogeneration to biogas upgrading, from biomethane and CO2 liquefaction to photovoltaics, up to emissions treatment.

Solution/Portfolio

AB's need was to collect and analyze energy data from the group's various locations in order to obtain a complete and detailed overview.

The company needed to monitor not only the electricity absorbed by production activities and generated by photovoltaic systems, but also other resources such as water, gas or compressed air. In addition, they wanted to develop and implement a system that would allow for early detection of anomalies and waste in order to increase overall energy efficiency.

Siemens took up the challenge with SIMATIC Energy Manager PRO, a software suitable for industrial energy monitoring. The solution offers scalability from a single plant to sites located around the world and integrates seamlessly with third-party SCADA, hardware and software systems in a variety of ways. Various SENTRON PACs and Siemens PLCs were used to measure consumption.

Benefits

Thanks to the precise monitoring offered by SIMATIC Energy Manager, AB has recorded a 54 percent reduction in energy consumption in one of the paint tunnels after targeted interventions on the ventilation system.

From an environmental point of view, photovoltaic production has made it possible to avoid the emission of 837.4 tons of CO₂, contributing significantly to the group's sustainability goals.

In addition, the implementation of an alarm system alerts in the event of changes in daily consumption compared to the previous week, improving the ability to monitor, identify and react to anomalies in consumption.

"Thanks to the partnership with Siemens, it has been possible to realize our vision of sustainability through the adoption of advanced technological solutions"

Giulio Bertuzzi,
R&D Engineer –
AB



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