

SANOFI

Commits to energy efficiency
at its Ambarès production site

SANOFI's site at Ambarès (France) is one of the Group's major facilities. It produces dry formulations (tablets, capsules) and injectable products (ampoules) intended for pathologies of the nervous system and cardiovascular diseases. Producing 176 million boxes per year, this well-established business in the pharmaceutical industry, located in the Nouvelle-Aquitaine region (France), must meet ambitious **energy efficiency targets**. To meet these targets, SANOFI Ambarès installed Panorama SCADA software to monitor its Facilities Management and Building Management Systems for each of its buildings, in particular to monitor its energy consumption as part of its energy reduction project.



Energy saving results:



Equipment supervised by SCADA:

- 135 air handling units
- 34 dehydrators
- 51 dust collectors
- 2 solvent scrubbers
- 4 boilers
- 2 DHW tanks
- 23 refrigeration units
- 6 cooling towers
- 4 reverse osmosis units
- 3 air compressors
- 1 nitrogen compressor



Why choose Panorama SCADA for the BMS?

Christophe Piccolo, the automation unit project manager, explains: «*Panorama is a **market-independent solution**, enabling the Sanofi teams to benefit from **full control** over their technical installations. Another advantage: proximity. Three times a year, a local Codra expert comes to diagnose and optimize our SCADA system to make sure our **BMS gets increasingly more efficient**. We also took maintenance costs into account in the study because Sanofi intends to depreciate its investment over 30 years. It was clear that we had to have a long-lasting and reliable solution.*».



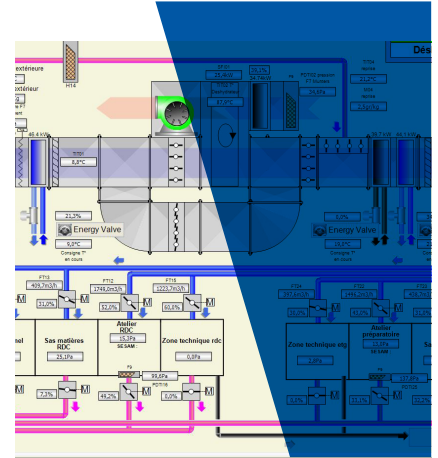


What part does SCADA play in Sanofi's Energy Roadmap?

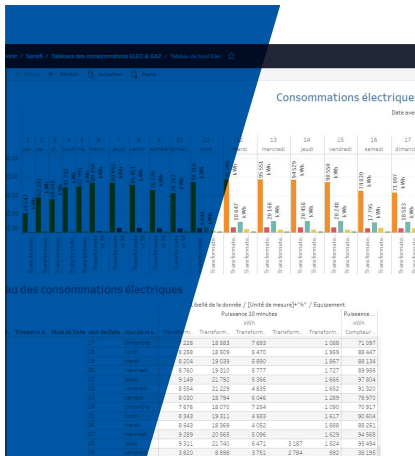
Sanofi is taking steps to reduce its impact on the environment. In the context of its Energy Roadmap the Panorama SCADA software is making a contribution by helping to reduce greenhouse gas emissions and water consumption. To do this, the automation unit manages the following equipment in real time:

- Fluids (production of purified water, steam, refrigeration units, nitrogen, compressed air),
- HVAC System (Heating, Ventilation and Air Conditioning),
- Gas/Electricity

The BMS / FM system analyzes the data and needs of each installation to allow Sanofi technicians to **intervene at the right time, in the right place**.



Supervision CTA : granulation workshop



Site energy monitoring report

A SCADA system that adapts to changing needs Supervision

In order to provide Sanofi with **ergonomic and homogeneous UIs**, a **library of business and ready-to-use objects** has been created. This object-oriented approach makes it possible to factor the work and thus optimize the management of the 170 pooled air-conditioning plants across the 14 hectares of the site. The Panorama software has been installed there for over 10 years. During this time, new needs have emerged such as the addition of smart valves or the detection of nitrogen leaks. Over time these new components were incorporated into the instrumentation and control application.

The latest development is the extension of the system to a **Data Historian** solution. This tool enriches the monitoring of the Energy Roadmap with the addition of **energy monitoring reports**. These dashboards which group the **energy performance indicators** together are made available to the Management, the HSE department and even Logistics to help optimize consumption.

Towards a factory of the Future?

In addition to playing its part in improving **energy efficiency** via the site's BMS / FM, Panorama is also linked into the local MES for inventory monitoring and traceability. A project on preventive and predictive maintenance is already being examined, as well as strengthening the digitization of processes. SANOFI Ambarès and Panorama at the heart of the Smart Factory. Christophe PICCOLO sums up *«The efficiency of Panorama SCADA software is excellent. With this solution there are no obstacles, anything is possible!»*.