

TOTAL CSTJF

BMS / FM



The *Centre Scientifique et Technique Jean Féger*, better known as CSTJF is a leading center of expertise in the field of oil and petroleum-related activities. Its mission is to advance Total's exploration and production methods with a view to enabling responsible and sustainable production.



Aim

Total's challenge was to overhaul all of its building services by replacing a proprietary solution, which had become obsolete and expensive, with an open and sustainable solution. The Panorama SCADA software was chosen notably thanks to its independence from the market's hardware manufacturers and its scalability. From the laboratories to the R&D center, and not forgetting supercomputer facilities PANGEA I, II and III, it is now the Panorama platform that manages all the HVAC systems in the various buildings spread over the 27 hectares of this world-leading center of expertise.



Solution

The choice of SCADA package was decided after a POC (proof of concept) was carried out on the PANGEA III supercomputer to demonstrate, in real-life situations, the comparative advantages and added value of the different competing BMS solutions. The project focused in particular on the development of a library of reusable business solution components (foundations for future applications), followed by the implementation of an operational Building Management System. The scalability and maintainability of the platform, the security mechanisms and the durability of the whole system were the main reasons why Total eventually opted for the Panorama solution, which is particularly known for its suitability for the management of BMS/FM applications for sites deemed to be sensitive in character.



Customer benefits

By designing a library of business components incorporated in Panorama, Total has been able to deploy the solution across the rest of the site, which includes some 5,000m² of laboratories, while reducing the integration timeframe through faster application design.

Now, leveraging the broad functional coverage of the Panorama SCADA platform, Total aims to develop a Hypervision system to benefit from a unified vision of all of the user systems, such as HVAC, BMS, BeMS, and the Fire Safety System.

