A Smart Building demonstration project at SOLEIL

Created by the Essonne Chamber of Commerce and Industry in partnership with the Advancity cluster, the Paris IDF Smart Building network gathers SMEs from the Paris area with a specific expertise in the field of smart building, such as telemetry, flow control and monitoring, automation, and energy efficiency in buildings. The network seeks to consolidate a more complete offer for owners of existing industrial and commercial buildings, encompassing technologies that, although often considered separate, are truly complementary. SOLEIL was chosen as the Ile-de-France representative to host the technology demonstration project promoting offers designed under a common label and targeting the local, national and international markets.

SOLEIL: the perfect place to display the network’s features
SOLEIL is a very large facility with truly unique characteristics, says Clément Guillon, Deputy CEO at Verteego, an SME providing cloud solutions for Sustainability Analytics, powered by Big Data. "It is open to research and technological projects, and the building itself is home to very complex facilities, with the synchrotron and its 29 beamlines, as well as offices, an 80-room accommodation building, and a company restaurant. Such a remarkable facility so close to Paris quickly emerged as the perfect place to demonstrate the high-quality solutions provided by our network members, their complementarity and interoperability."

To meet its users’ needs, the synchrotron building must also fulfill specific requirements, such as mechanical and thermal stability, machine performance and measurement reliability. SOLEIL’s staff includes infrastructure management teams that rely on a centralized technical management system. These teams recently worked in collaboration with 4 SMEs from the network-Energisme, Energiency, Vertical M2M and Verteego—for data collection and real-time flow processing.

Towards enhanced energy efficiency at SOLEIL
This project is part of SOLEIL’s mission to support the competitiveness and innovation of SMEs, and in particular those from the Paris area (Ile-de-France). "The SMEs provide smart solutions for processing data collected via our current system, and these new solutions will give us a chance to raise awareness through real indicators, as well as to open up a discussion on the energy efficiency of our own buildings," said Michel Bessière, Director of the Technical Supports and Business Development at SOLEIL.

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