## ENERGY SMART BUILDINGS

Customer Success Story

Fédération du Bâtiment et des Travaux Publics Rhône-Alpes (FBTP) Villeurbanne, France

Centralized Smart Building Supervision for Energy Efficiency & Operational Simplicity

The Fédération du Bâtiment et des Travaux Publics Rhône-Alpes (FBTP) is a regional federation representing construction and building professionals across the Rhône-Alpes region of France. As part of the broader French Building Federation network, FBTP supports thousands of construction companies through advocacy, technical guidance, regulatory support, and operational assistance.

The organization plays a key role in helping its members adapt to changing regulatory, environmental, and economic requirements while promoting professional standards and long-term sustainability within the building sector.
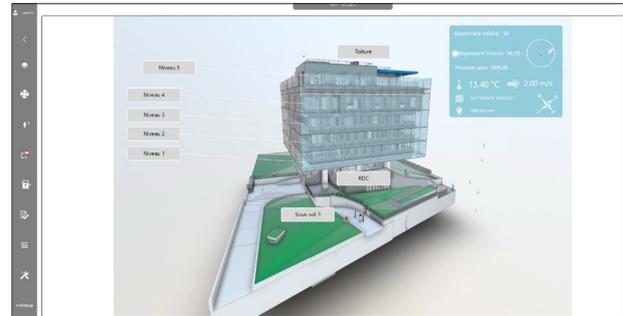
Key Points

- Centralized building systems into a unified GENESIS platform, improving operational visibility and simplifying maintenance workflows.
- Integrated multi-vendor controllers, energy monitoring tools, safety systems, parking management, and SQL databases, eliminating system silos and accelerating troubleshooting.
- Reduced engineering effort and long-term maintenance workload through asset modeling, bulk configuration, and reusable visualization components, creating a scalable foundation for future building projects.

The Challenge

As part of a smart building initiative for an office building in Villeurbanne, FBTP sought to modernize building supervision and operational management. The objective was to replace fragmented building systems with a centralized, flexible platform capable of integrating HVAC, electrical, energy monitoring, safety, and facility systems.

FBTP partnered with CALASYS, a French system integrator specializing in automation, industrial IT, and smart building solutions. CALASYS was responsible for designing and deploying a unified supervision system that would improve operational efficiency, simplify maintenance, and support future expansion.

The system was deployed on site using one server and two client stations, with a total project implementation time of approximately six months.

Software Deployed

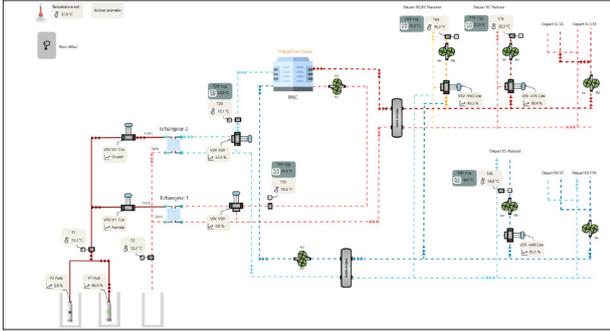- ▶ GENESIS™ HMI/SCADA

The Results

FBTP realized significant operational benefits following implementation. The GENESIS platform interfaces with a wide range of building systems and data sources, including third-party controllers, energy monitoring software, SQL databases,
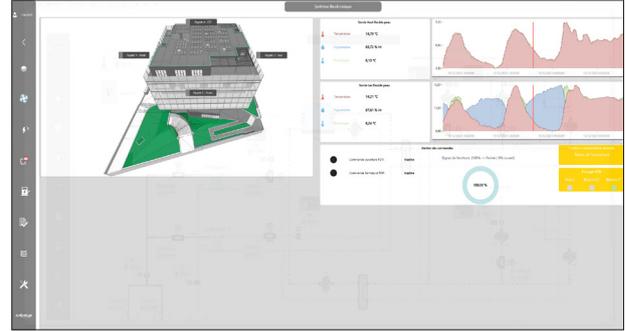

Level 1 Temperature Readings

Office Room Heating Detail

Ventilation System Overview

Building Dashboard

safety systems, parking management, and maintenance management systems.

Bulk configuration capabilities support automated file generation from project databases, while AssetWorX asset modeling and structured equipment hierarchies accelerate application setup and improve consistency.

With this system in place, FBTP observed meaningful operational improvements, including:

- Improved efficiency in building maintenance operations through centralized supervision
- Simplified day-to-day operation for facility teams
- Reduced engineering and development time through bulk automation, asset modeling, and reusable views
- Improved clarity and consistency of system visualization across building assets

These improvements have enabled FBTP to operate and manage the building more effectively while reducing long-term configuration effort and ongoing maintenance workload. The platform also provides a scalable system foundation that supports future building projects.

Conclusion

By deploying GENESIS with the support of CALASYS, the Fédération du Bâtiment et des Travaux Publics Rhône-Alpes established a modern smart building supervision platform that meets current operational needs while supporting future expansion. The flexible modeling capabilities, ease of implementation, and broad application ecosystem provided by GENESIS played a key role in the project's success.

Looking ahead, FBTP plans to extend the use of GENESIS to additional projects, including the renovation of the Oxygène Tower and deployment at the MLYON building. The project demonstrates how GENESIS supports scalable, efficient, and future-ready smart building environments.

"GENESIS software offers many exciting features that allow us to constantly improve our system."

Matthieu Morlong, Project Manager

MITSUBISHI ELECTRIC ICONICS DIGITAL SOLUTIONS
HEAD OFFICE: 2 Hampshire Street, Suite 300, Foxborough, MA 02035

February 2026