

BIM Operations

the convergence of BIM
and SCADA

Panorama E2, forging a link between the BIM data source and the tools used for operations

The construction sector is constantly innovating and evolving to meet the ambitions of the Smart City and Industry 4.0. Increasingly, this means using connected building features to facilitate energy savings while improving user comfort. Crucially, it also means new ways of optimizing total cost of ownership (construction & operation).

The BIM (Building Information Modeling) approach is one of the solutions driving the realization of this ambition. And this is why Panorama E2 is expanding and offering a new extension dedicated to BIM Operations. Basically, this can be used to create the digital twin of a physical building, but, in reality, it marks the advent of the "Building as a Service" era. From a fixed "as-built" construction, the building becomes a more dynamic asset.

And this empowers managers to optimize the value of their building throughout its life cycle!



A unique data source

How? By using the BIM data to facilitate the design of operational management tools.

IFC files become both a source of data for the SCADA application but also a medium for the use of real-time data by operators.



A digital twin

How? By creating a link between the BIM resource and the data in building/facility management systems. This digital twin of the building combines static 3D representation and dynamic real-time data sets.

So you get a complete picture of the building for more efficient operation.



Productivity gains

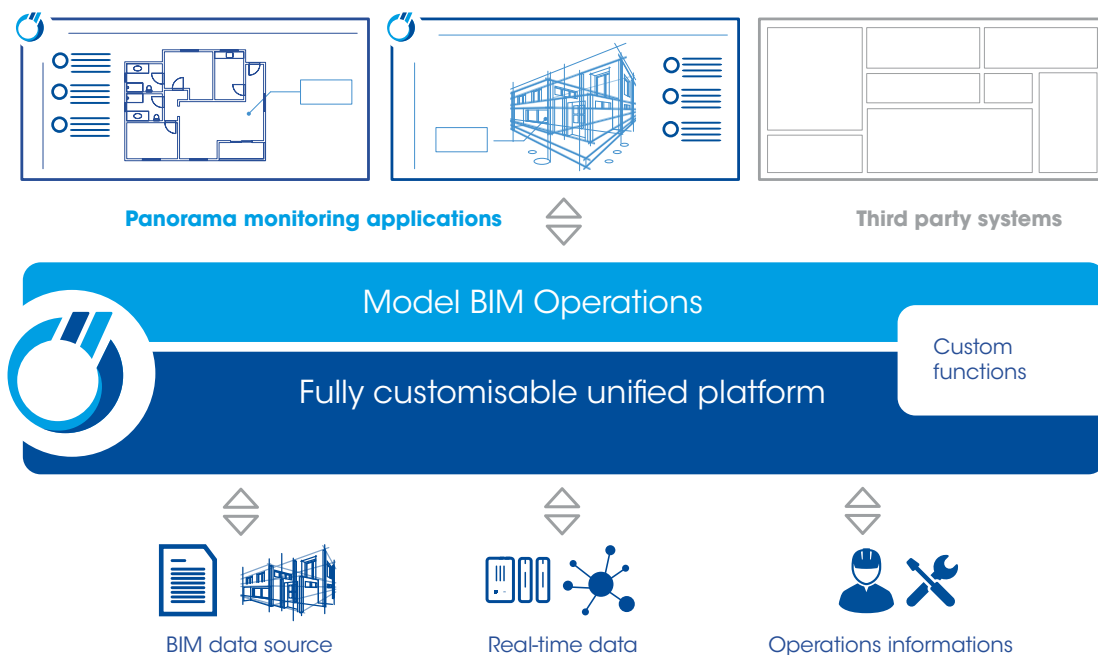
Comment ? By allowing the operator to use the **3D model** in their daily tasks.

All management data is available in a single platform. The BIM Operations application now offers a systemic approach to operational & environmental performance.

BIM Operations

A real-time BIM Operations platform!

The **Smart Building** concept focuses on optimization of maintenance and energy performance. With its **"BIM Operations"** extension, Panorama E2 becomes a platform linking the **BIM digital model** with "real time" data from the building/facility management system. An unprecedented revolution for engineering offices and operators!



Panorama E2, designed to improve building operations and facility management

- Anticipate, plan and/or facilitate interventions (decision support tool)
- Ensure the safety of assets and people (installation of surveillance cameras, detection by zone, security hypervision, etc.)
- Check the functional state of the HVAC, BEMS, fire detection, etc.
- Monitor works associated with the structure
- Optimize energy consumption
- Simulate user experience

Webinar BIM

