PROJECT

BIM2TWIN aims to build a Digital Building Twin (DBT) platform providing full situational awareness and an extensible set of construction management applications.

Lean principles will lead to the reduction of operational waste of all kinds, shortening schedules, reducing costs, enhancing quality and safety and reducing carbon footprint.

Real time data will be processed with AI features to establish a Project Status Model (PSM), semantically linked with the BIM model.

🌐 **bim2twin.eu**

🐦 **@Bim2Twin**

in **bim2twin**

PARTNERS

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BIM TWIN

Optimal Construction Management & Production Control

OBJECTIVES

Demonstrate platform operation and measurable impacts in real pilots

Develop exploitation pathways and business models for the DBT platform

Integrate in a single DBT platform different construction management tools

Test the platform, integrating monitoring technologies with management applications
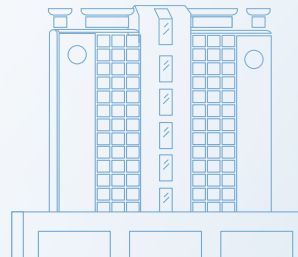
DEMO SITES

FINLAND - HELSINKI

RESIDENTIAL BUILDINGS
New construction

FRANCE - GRASSE

HOSPITAL
Refurbishment and new construction

SPAIN - BARCELONA

HOTEL AND OFFICE BUILDINGS
New construction

Key features

- **Analysis** of data in the context of DBTs based on a robust system architecture

- **Processing** real-time data streams to establish a Project Status Model (PSM)

- **Exposure** of the PSM to a suite of construction management applications

- **Monitoring** of schedule, quantities & budget, quality, safety, and environmental impact

- **PSM representation** semantically linked to the Building Information Model (BIM)