

Digital Twins, Model Predictive Control, AI and Simulations

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Sweco Belgium

One of the largest
engineering and
architecture company
in Europe

23.000 people (3.500 in BE)
Offices in 15 countries
2.9b net sale in 2025
(370m in BE)

- » Buildings and urban areas
- » Industry, energy and environment
- » Infrastructure and traffic
- » Architecture
- » Sustainability and resilience



Sweco Belgium – Digital Pillars



Sweco Performance

From Project Delivery to Full Building Lifecycle

Comprehensive Building Management

Sweco Performance integrates energy, compliance, maintenance, comfort, and renovation management into one service.

Digital Tools and Optimization

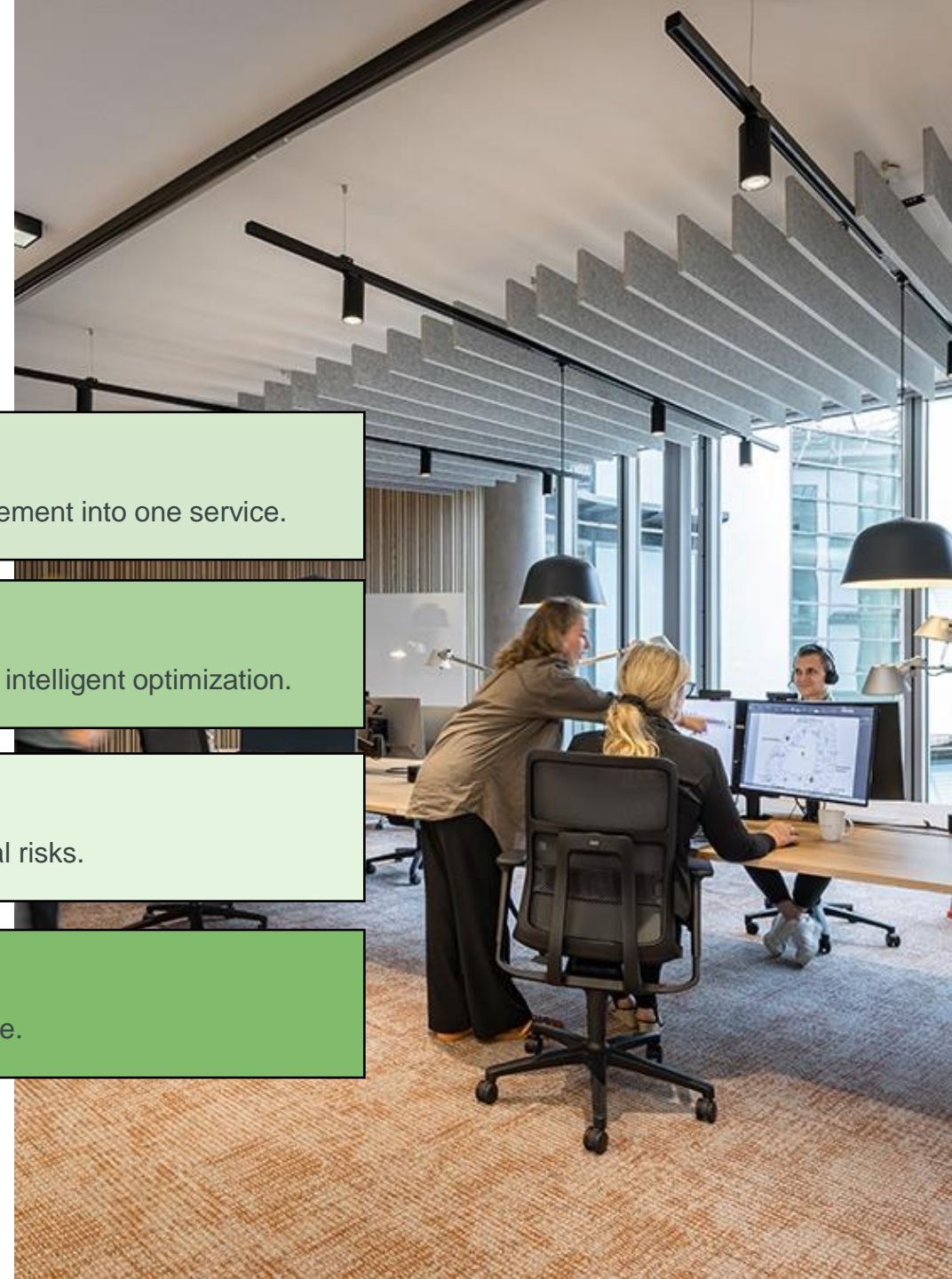
Advanced digital tools like Twinfinity and Model Predictive Control enable real-time monitoring and intelligent optimization.

Regulatory Compliance and Risk Reduction

Integrated service supports regulatory adherence and proactive maintenance to reduce operational risks.

Client-Centered Seamless Experience

Clients receive unified technical expertise and strategic guidance across the entire building lifecycle.



Sweco Performance

Data and AI as enablers

DIGITAL TWIN

Real-time building visibility

- Real-time data



AI

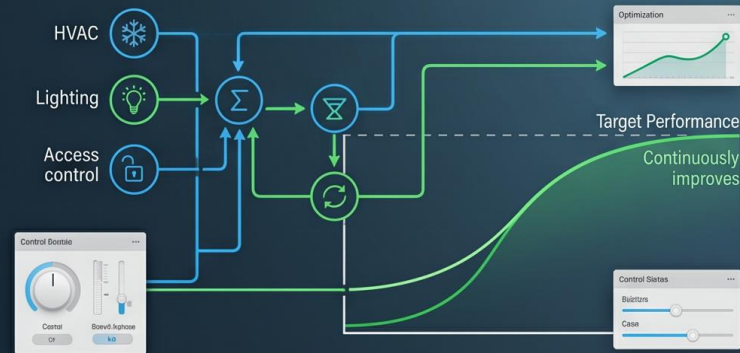
Insights & predictions



- Patterns identified: occupancy, energy use

MPC

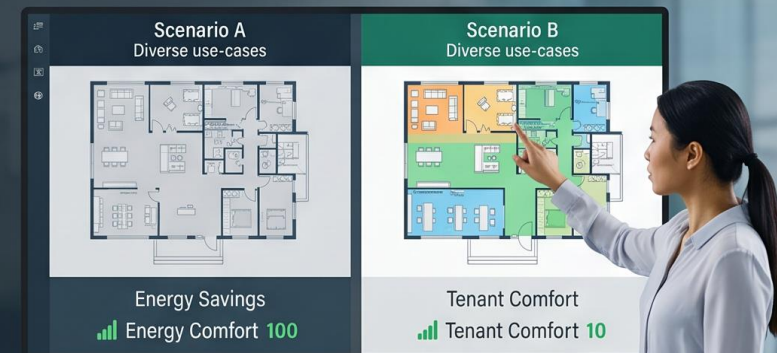
Continuous optimization



- Closed-loop, predictive adjustment

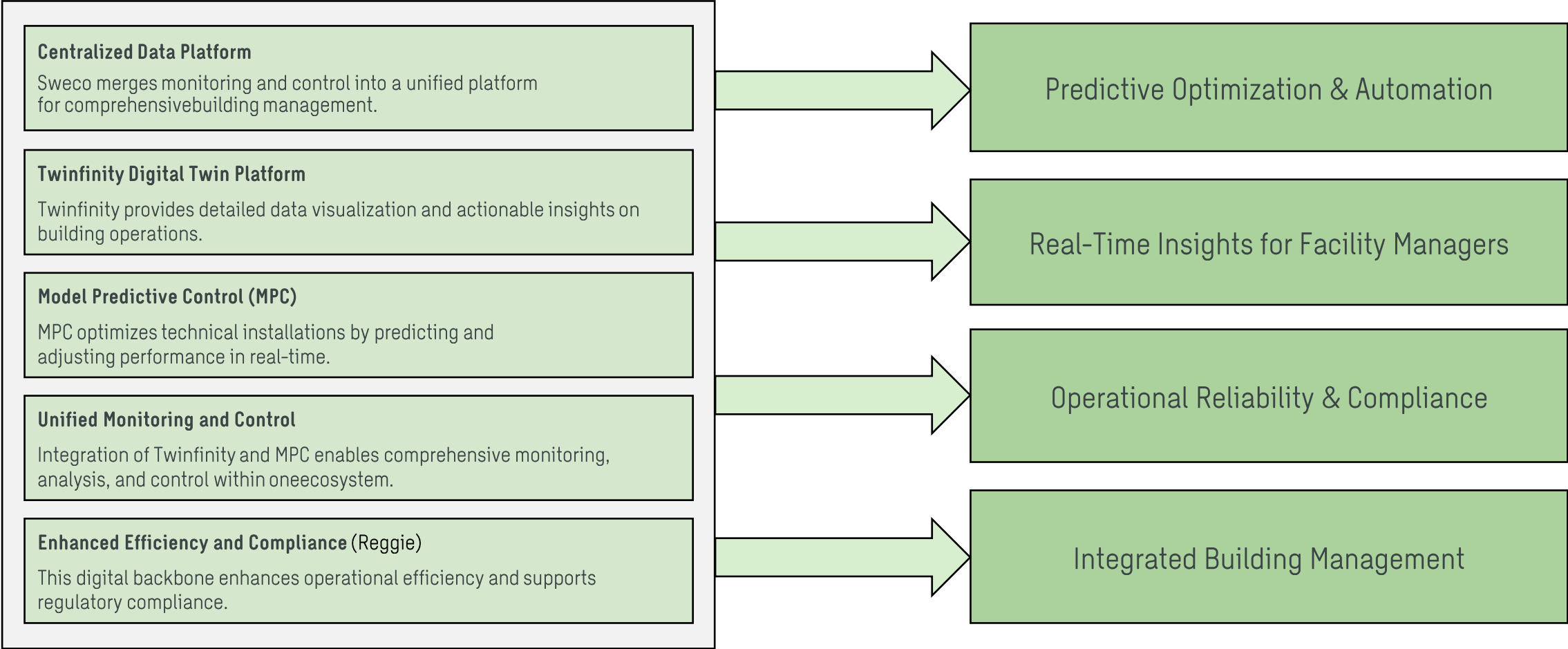
SIMULATION

Scenario testing & decisions

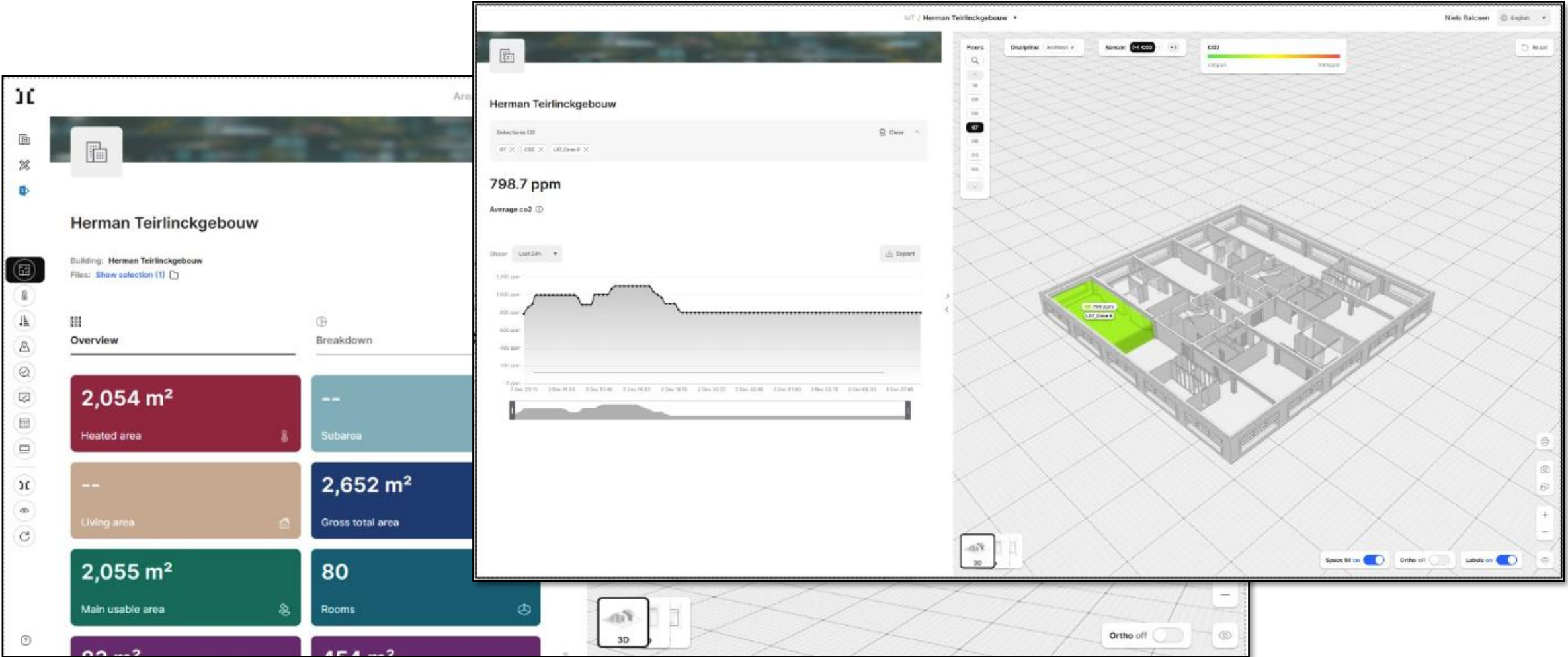


- Explore 'what-if' paths

Sweco Performance *Digital Backbone*



Sweco Performance *Digital Backbone*



Sweco Performance

Client & Sweco Value

Energy savings &
sustainability



Improved comfort &
performance



Compliance & risk
reduction



Sweco as long-term
lifecycle partner



Let the questions
inspire you

SWECO

