

6 Reasons BIM Analytics Tools are used to unleash the full potential of BIM Models

Reason 1: Data insights gathered over time help save project time and money

Traditional Approach



Project operators receive models in variety of formats with clashes. It takes specialist teams days to extract and analyze this data manually.

Digitalization Solution



AI and machine learning tools automate data extraction, increasing accuracy and freeing up professionals to provide genuine insights immediately.

Reason 2: Easier compliance with data requirements for an audit

Traditional Approach



Audits against global standards are stressful, manual processes, often requiring consultants to conduct model audits to validate compliance.

Digitalization Solution



Automation runs continuous checks at regular 'milestones', easily validating that the model's data complies with required standards.

Reason 3: Cost avoidance and improved quality management through the project

Traditional Approach



Large, complex projects increase the chances of inadvertent and unnecessary duplication of orders for materials and specialized labour

Digitalization Solution



Analytics dashboards monitor material quantities in real-time to streamline procurement and delivery schedules from anywhere.

Reason 4: Geometric clashes are resolved more efficiently

Traditional Approach



Increasingly complex model geometry necessitates standard clash detection tools to help make construction and fabrication processes efficient.

Digitalization Solution



Applying BIM analytics identify clash relationships earlier in the design phase, reducing the likelihood of costly on-site delays.

Reason 5: Automated dashboards make communication and collaboration easier

Traditional Approach



Supporting information raised during meetings was typically manually collated into a static PDF dashboard and distributed to teams.

Digitalization Solution



Data collation is now automated and distributed online, reducing prep time and allowing more time for stakeholder collaboration.

Reason 6: More efficient handovers

Traditional Approach



Accurate, 'as-built' digital models with resolved issues are crucial but often difficult to manage manually, leading to errors and delays.

Digitalization Solution



Digital technology manages the required data handover process, validating data at key points to ensure seamless transition to FM systems.