



Add value.
Inspire trust.

3D AI Construction Inspection

The world's first 3D AI construction inspection software, powered by Contilio



Current Industry Challenges

- Up to 30% of construction costs are spent on rework
- 70% of construction projects experience more than 40% delay
- 55% of maintenance costs are caused by errors never caught during construction
- 83% of BIM models are not compliant, up to date or traceable beyond design
- 65% of owners and investors are looking to reach net zero and build more sustainably

Asset Owners and Investors need to design and operate their assets to maximise their return-on-investment (ROI). General Contractors must deliver predictable outcomes in terms construction time, cost and quality, while improving their bottom lines and ability to win new projects.

What Is 3D AI Digital Inspection?

Combining TÜV SÜD's 150 years of unparalleled expertise, market know-how and global reach in construction testing and inspection with Contilio's

cutting-edge and intuitive 3-dimensional (3D) Artificial Intelligence (AI) technology our 3D AI Construction Inspection Solution brings you:

1. Digital inspection & defect detection
2. Automated, AI powered installation quality
3. Automated, AI powered construction progress
4. Smart and machine readable Digital Twins

Your Business Benefits



Scalable Processes, AI insights and smart decisions, 10X faster



Verify 100% of onsite/offsite work in hours automatically and record defects



Reduce site travel, man-hours and construction waste/rework

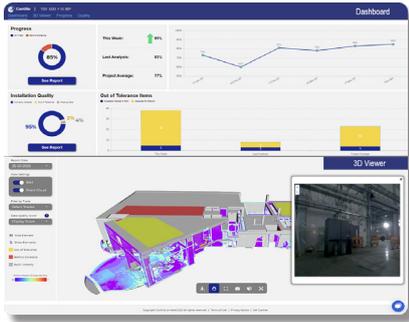


Enable digital handover and data-driven disputes and facility management



Lower delivery risk and enhance your cashflows and return on investment

Key Functionalities

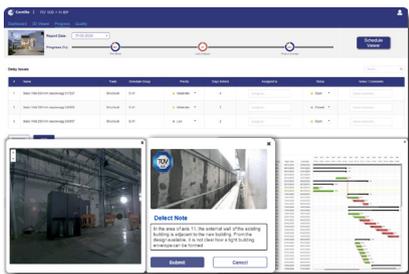


Central Dashboard

- Access the powerful summary analysis from the dashboard and always know what is happening for 100% of your construction portfolio in real-time

Intelligent 3D Viewer

- Navigate the AI insights, augmented BIM, 360 degree photos and point clouds from a central platform, 24/7



AI Progress & Quality Insights

- Track installation errors for all structural, architectural, mechanical, electrical and pumping (MEP) elements automatically
- Access defect analysis digitally from the 3D Viewer
- Have schedule and BIM updated automatically with insights
- Access the prioritised risk tables and focus on those that matter the most
- Use Digital Twins and insights during and post construction, optimizing delivery and operations



Smart, Compliant Digital Twin (Alpha)

- Enable smart asset and object tracking with AI
- Conduct portfolio benchmarking and analysis
- Perform Data-driven regular inspections

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TÜV SÜD is a premium quality, safety and sustainability solutions provider that specialises in testing, inspection, auditing, certification, training and knowledge services. Represented in over 1000 locations worldwide, we hold accreditations in Europe, the Americas, the Middle East and Asia. By delivering objective solutions to our customers, we add tangible value to businesses, consumers and the environment.

Related services

TÜV SÜD provides the following related services:

- BIM model check
- BIM management and consulting
- Smart façade inspection
- Digital reporting
- MEP system testing, inspection and certification
- Civil and structural services

Learn more about Contilio

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