Digital construction sites can be that simple.



Our solutions scale with your needs—from entry-level deployment to large-scale projects.

viscan
bureau of
visionary
engineering



Nicolai Nolle,
Founder

My name is Nicolai Nolle. As the owner of viscan, I see quality and reliability as the most important characteristics in our company culture and in the cooperation with our partners and customers.

Construction is versatile, sometimes unpredictable, often challenging and ultimately every construction site is unique. We know this very well from over 14 years in the project business with a focus on infrastructure. This is precisely why This is precisely why we develop solutions together with our customers based on their specific requirements: a perfect fit for the project. We take the individual circumstances into account, plan ahead and define the cooperation very precisely: what does the customer do and what is viscan's contribution and added value? All with digital methods and the latest technology.

Cost-effectiveness is crucial. The use of new technology does not always have to be expensive. On the contrary: it can lead to projects being handled and implemented much more efficiently. And billing can also be done faster and with fewer queries. In many cases, we work with the traditional fees for architects and engineers and already have the necessary technology.

Construction sites are becoming increasingly digital. We see this in the tenders, in the projects and also in our collaboration with the Stuttgart Regional Council: when it comes to helping to shape guidelines and standards for the use of BIM in practice.

I am personally very fascinated by new technologies. That's why we started doing digital project management with viscan very early on – over 11 years ago. And of course we were able to gain a lot of valuable experience in the process, which our team always brings to customer projects. That's why many of our customers have been working with us for many years in a spirit of partnership and open exchange. We often provide project-related support, assist with complex issues or optimize and simplify time-consuming work on the construction site.

Our project teams are suitably positioned for this. From experienced to young and innovative. From project managers to surveying assistants. From manual labor to fully automated processes. All with the enthusiasm to make the construction site more digital with benefits for everyone involved.

Are you interested in working with us?

Start with a free initial consultation with one of my competent colleagues or with me.

I look forward to the exchange.



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15 years of experience.
1 goal.
To manage construction sites digitally.

viscan does BIM in practice for the digital construction site

> Founded in 2011 as an engineering office with focus on surveying

> Started to build up BIM know-how over 9 years ago and apply it in practice

> Partner of the Baden-Württemberg Ministry of Transport and the Stuttgart Regional Council since 2017

> Around 20 BIM reference projects realized as service provider & consultant

> Awarded the BIM Cluster Award for the best digital infrastructure construction site in 2021, B29 BA1, Essingen – Aalen

> Initiator and operator of the BIM LÄB Baden-Württemberg – the workspace to experience digital construction and BIM live: on the largest digital infrastructure construction site in Germany

> Intensive exchange of experience and definition of standards with the specialist groups from other countries in order to put BIM into practice: Baden-Württemberg, Bavaria, Hesse, Saxony-Anhalt, Hamburg, etc.

> Implementation of all relevant BIM use cases from inventory to as-built modeling

> Projects with 100 % BIM services are invoiced the fee schedule for our customers without additional costs

> Pioneer in the use of innovative technologies such as drones, laser scanners, hololenses, RTK smartphones

> First service provider in Europe with official approval for fully automated drone flying without visual contact

> We offer many solutions from our portfolio, but always provide product-neutral advice. Our customer decides which hardware, software or CDE is used.

> NOW NEW: REMOTE SUPERVISION
Construction supervision from the home office is possible. We reduce the time required on site on-site by up to 70 % while maintaining the same quality but significantly increasing the speed of processing speed.

The digital construction site. Achieve success with us.



“The skilled workers we are already lacking today will not be available tomorrow either – purely from a demographic perspective. At the same time, the requirements for surveying and documentation in planning and implementation are increasing. And the investment backlog in infrastructure is enormous. The demand can only be met with digitalization and automation.”

Sebastian Lazic,
CEO viscan



“viscan is a pioneer in the implementation of digital construction sites. Our team supports all customers and projects from phase 000 to 200 (BIM use cases). With our experience, we ensure the successful completion of your projects. We support both clients and contractors in the digital transformation of their construction site management.”

ppa. Michael Braun,
Team lead engineering & BIM coordination

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Container workspace at the Horb viaduct construction site, near Horb am Neckar

viscan – Efficient engineering for our customers. Always on the ball with the latest technology for your project success.



“Our engineering team has been working for 12 years on digital methods, processes and workflows to make construction sites more efficient. In doing so, we always focus on the success of the project and try to find solutions that are generally beneficial to those involved in the project and can be implemented. Our advantage: we work for clients and contractors alike and know what is important.”

ppa. Michael Braun,
Team lead engineering & BIM coordination



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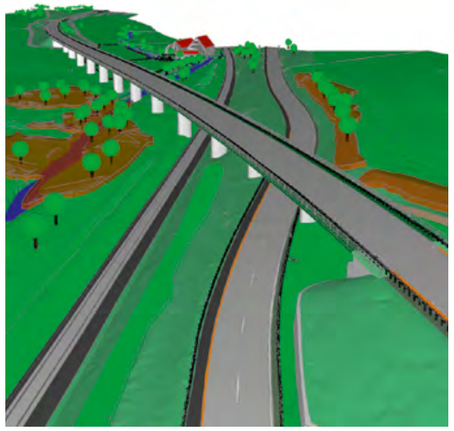
Surveying. Documentation.

We use state-of-the-art technology to capture data and information. In addition to photogrammetric drones and handheld devices, we have various scanning solutions at our disposal: terrestrial, mobile mapping or LIDAR drones. We combine all of this with traditional surveying to ensure that data acquisition meets the requirements.



Planning. Modeling.

Coming from as-built surveying and -planning, we have developed further in recent years and model not only simple existing structures, but also special specialist models such as geotechnics and others. For smaller measures (road surface rehabilitation), we prepare milling data, e. g. for QS-BW4.0 and paver data. However, our focus is increasingly on as-built modeling in the course of construction.

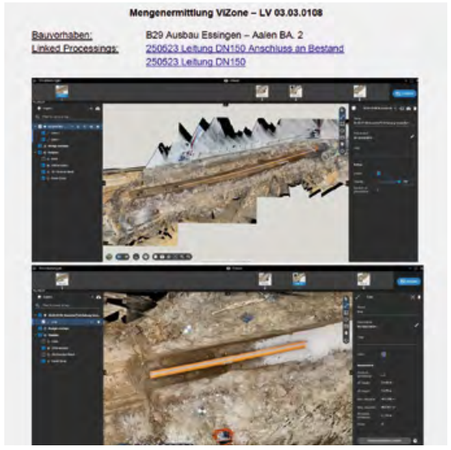


Billing. Construction supervision.

Digital construction accounting and construction supervision have enormous potential for both clients and contractors. We have the foundations for this and have already been using the digital working methods in our portfolio in various projects for over 6 years. We use state-of-the-art cloud-based tools for our projects, which bring considerable added value to the projects.

Inspection. Analytics.

Digital inspections of buildings and industrial plants are becoming increasingly digital. We offer our customers solutions for implementation or a comprehensive service package. Our specialists in building inspection and experts in building thermography, surveying and geoinformatics make it possible to efficiently record and analyze many objects in a short time.



The scin® App

The scin® app is a professional 3D scanning application for reality models using photogrammetry—intuitive, mobile, and specifically optimized for construction and utility infrastructure documentation.

When used in conjunction with GNSS systems, scin® delivers centimeter-accurate, georeferenced scans with precision down to 1 cm. The app supports workflow-based processes via RTX in accordance with ISO 19650—including defect and acceptance management, as well as the measurement of topographic points and lines.

Download on the App Store



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Digital Construction Site – Capture, Processing, and Management in a Single Application

With the scin® modules, a seamless digital workflow is created—from precise field data capture to structured project management and documentation. The combination of mobile data acquisition, 3D scanning, and intelligent workflow management enables efficient, transparent, and future-proof execution of digital construction processes.

Scanning – 3D Capture & Point Clouds

Area-wide 3D capture of structures, objects, and terrain using a smartphone. Georeferenced point clouds provide the foundation for documentation, planning, and BIM workflows.

Single Point Measurement & Stakeout

Enables the precise capture and accurate stakeout of individual points directly on construction sites. Ideal for surveying, construction execution, and BIM-to-field workflows.

Task & Workflow Management

Structured management and tracking of tasks, defects, and processes in accordance with DIN EN ISO 19650. Ensures transparency, clear responsibilities, and audit-proof documentation.

Features

- **Precise as-built capture:** Routes, construction status, manholes
- **ISO 19650 compliant:** Legally compliant digital workflows
- **Digital workflow** via workflow management
- **Fully mobile:** No stationary hardware required

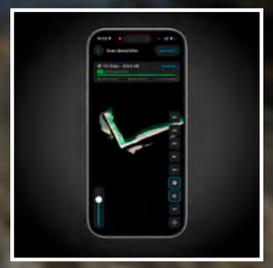
scin® app scanning workflow – Create your reality models easily now.



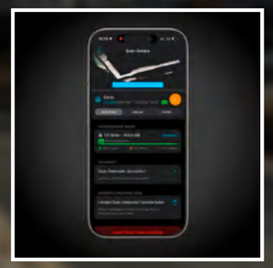
1. Select project



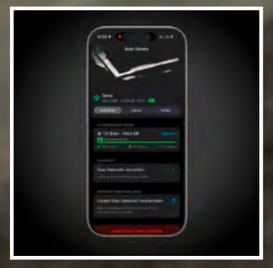
2. Start scan



3. Review & Save



4. Check & Upload



5. Upload complete



6. Processing



7. 3D-Model provisioning



4. Result
Highly precise geo-referenced 3D-Model

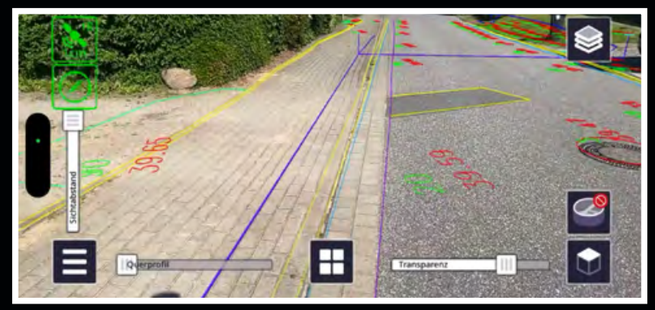
Trimble® SiteVision® App

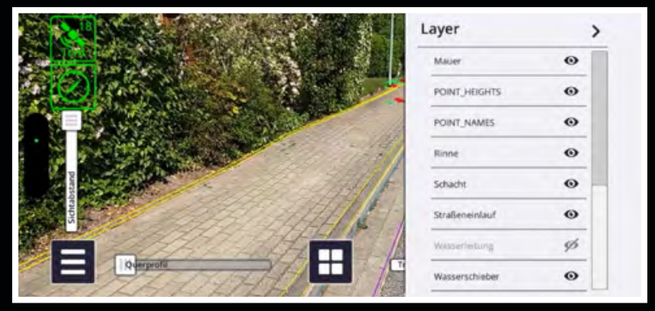
Trimble® SiteVision® is a visualization software that brings 2D/3D data to life on-site in real time at a 1:1 scale. In combination with the Catalyst™ DA2 GNSS system, models can be positioned with an accuracy of 1 cm horizontally / 2 cm vertically—ideal for construction verification, planning, conflict detection, and photo documentation directly in the field. The models are transferred directly to Trimble® SiteVision® via the included Trimble® Connect Business Pro license.

Features:

- **Early warning system:**
  Plan vs. actual deviations are immediately visible, enabling simplified inspection by site supervision
- **Error prevention:**
  Avoid costly changes
- **Communication:**
  Unites client, planning, and execution

Ideal for civil engineering, utility construction, road construction, and structural engineering—wherever hidden plan conflicts may arise.









Recommended for Deutsche Telekom workflows

Emlid Reach RX2 Scanning-Kit

Capture digital models in just a few minutes with surveying-grade accuracy. The Emlid Reach RX2 is a compact RTK rover that delivers centimeter-level results with tilt compensation and is designed for GIS, utilities, and construction.

Ideal use cases:

Fiber optic expansion

Workflow Deutsche Telekom

Features

- Fully integrated solution between the scin® app and Emlid
- Complete workflow from the field to the office
- Centimeter-level accuracy
- Tilt compensation
- 16 hours of operation on a single charge
- Lightweight and waterproof equipment
- Compact & robust

Compatible with the scin® app







GNSS receiver Trimble® DA2 – Simply precise.

Powered by the Trimble® Catalyst™ GNSS positioning service, the DA2 receiver, combined with a Catalyst service subscription, delivers centimeter to sub-meter accuracy to location-enabled Android and iOS field apps and workflows.

Key features

- Lightweight and rugged design.
- Scalable and flexible accuracy-based pricing.
- Simple installation and setup.
- Multi-frequency (L1/L2/L5/MSS) capable.
- Powered by Trimble ProPoint® GNSS positioning technology.
- Supports all global GNSS systems.
- Flexible mounting options.
- Connect wireless to iOS- and Android™ devices.
- Conveniently USB powered.
- Accuracy from 1 cm to 60 cm.
- Provides support for any field device.



Compatible

scin® app

SiteVision® app





ENTERPRISE
AUTHORIZED RESELLER

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World of DJI Enterprise

Current:
BG BAU funding of up to € 2,000 available

viscan is an authorized DJI Enterprise dealer.

- > Certified Solutions Engineer & Service Engineer from DJI
- > Rentals with full service
- > DJI sales / leasing

DJI Enterprise Consulting

We advise you on all DJI Enterprise products in the areas of surveying, inspection, documentation and monitoring. You will also receive advice on all legal issues – we will be happy to support you in this too.

Arrange a personal DJI Enterprise consultation now







Fully automated drone flights.

DJI Dock in Full-Service Operation

The Ideal Solution for Automated Infrastructure Monitoring, Documentation and Surveying.

> Construction Progress Monitoring
> Surveying and Volume Calculations
> Documentation for Clients and Construction Supervision
> Condition Assessment and Evidence Documentation
> Construction Site Monitoring Outside Working Hours
> Inspection of Critical Infrastructure
> Security and Incident Management
> Regular Data Acquisitionfor BIM and GIS Workflows



The full-service package

Basic

Installation

We install the system on site, put it into operation and draw up an acceptance report. This includes all prescribed test flights. Permit fees of up to € 900 are included in the price.

Service

In addition to the monthly provision fee and insurance, our service package also includes all necessary maintenance in accordance with the operating manual.

Operating

We control your construction site monitoring. Fully automated surveillance flights according to programming or at the “push of a button” for acceptance of construction work.

Add-On

Data processing

Choose your processing service. We offer a variety of integrations and proprietary solutions for automated point cloud generation.

Project coordination

Do you need support in coordinating your digital construction sites? We guarantee our customers efficient processing and comprehensive solutions for all aspects of surveying and documentation.

Construction supervision

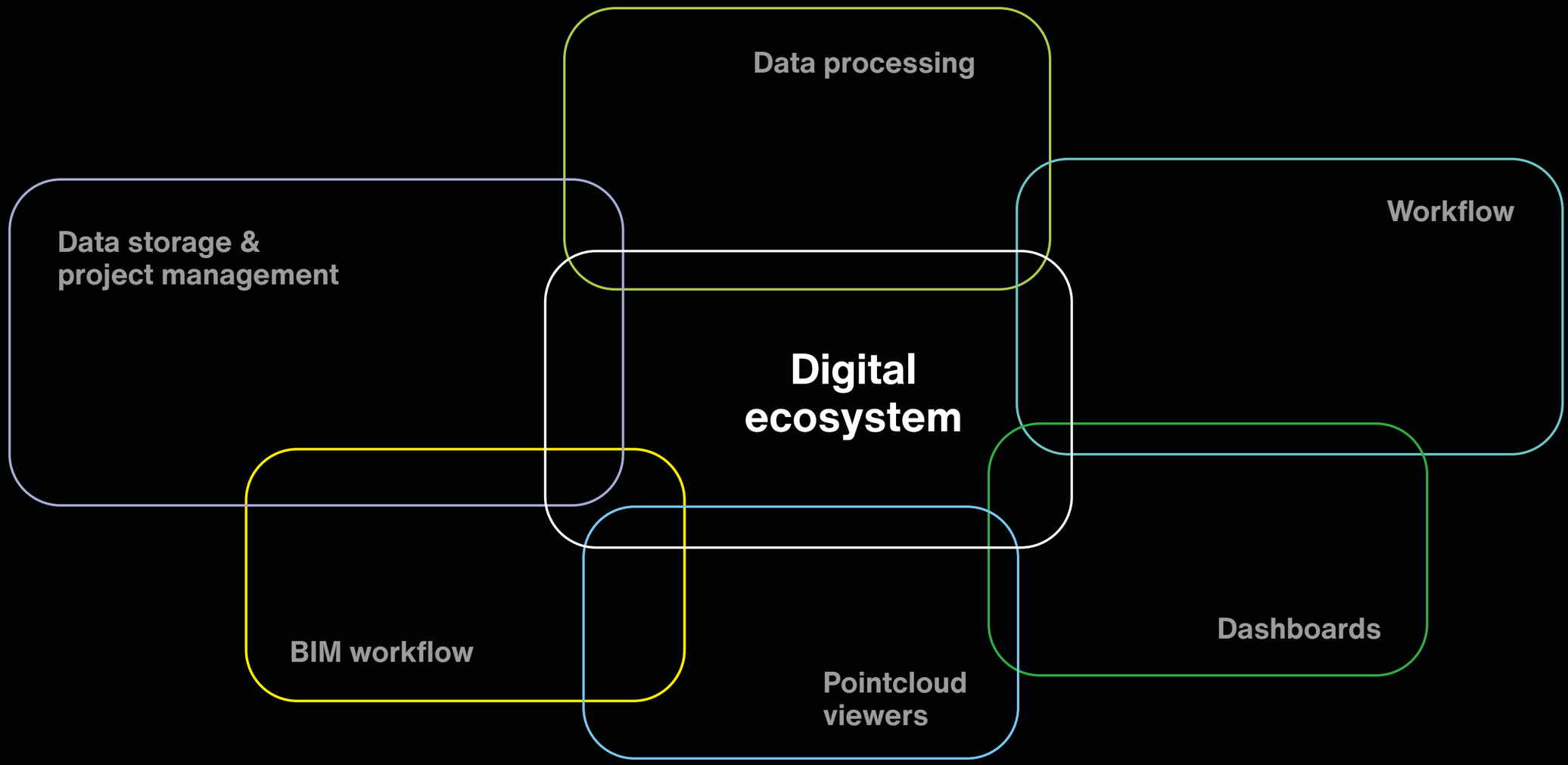
Do you need a digital building supervisor to support your measures? We help with the evaluation and efficient handling of the collected data.



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Overview of all software products that we provide for our projects

The software products are customized and optimized for the specific requirements of your project.



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We provide our customers with comprehensive expertise to tailor workflows precisely to their requirements.

Data storage & project management

The “core” of every digital construction site is a central data storage on neutral ground. This is exactly what makes a good CDE solution.

MS Sharepoint

Data storage and document versioning are a must in the digital construction site. We set you up reliable systems.

Trimble® Connect CDE (Common Data Environment)

Cloud-based platform for centralized data management in construction, infrastructure, and planning projects. It enables seamless collaboration among all project stakeholders and ensures that work is always carried out using the most up-to-date and accurate information. Trimble® Connect CDE is provided exclusively in conjunction with Trimble® SiteVision®.

Data processing

Bentley

State-of-the-art services in the field of scanning and photogrammetry are part of a complex but very powerful module. As our customer, you can choose from various products within the following platforms.

Our processing engine offers many options for processing data to obtain photogrammetric models, used in geomesh and the SDX Cloud, among other applications.

BIM workflow

Trimble® SiteVision® App

Augmented Reality – real-time visualization for rapid insights. Trimble® SiteVision® enables the visualization of design and as-built data in the field. The solution supports project collaboration as well as the early detection of changes and conflicts. Depending on the hardware configuration, images, GNSS points, EDM points, or LiDAR scans can be captured.

Pointcloud viewers

In the Pointcloud Viewer area, we are replacing the existing data viewer for a new tool with more functions.

geomesh

The geomesh cloud can process all drone datasets in addition to the scin® app datasets. The easiest way to view, measure and check 3D scans up to a report.

Propeller

Propeller is a cloud-based workspace where project teams come together to map, measure and manage site activities using survey data.

DJI Flight Hub 2

DJI FlightHub 2 is a cloud-based multifunctional platform for managing your drone operations, allowing you to achieve a comprehensive situational awareness in real time. For all the information you need to plan drone missions, monitor your fleet and manage the data you generate.

DJI Modify

Intelligent software for editing 3D models. In combination with DJI Enterprise drones and DJI Terra, it creates an end-to-end solution—from data capture and modeling to editing and easy access for surveying, mapping, and other applications.

DJI Terra

Powerful 3D modeling software with advanced reconstruction technologies. It supports a wide range of precise and efficient 2D and 3D reconstructions from visible-light data, as well as the processing of data captured with DJI LiDAR.

Dashboards

Always keep an eye on your project with our Power BI integrations at project management level and model level with dynamic data.

MS Power BI

Always keep an eye on all projects. We configure Power BI for your company or individual projects. Customizable with your BIM model.

Local processing software

3Dsurvey

Powerful and user-friendly photogrammetry software designed specifically for processing drone and terrestrial image data. It enables the creation of accurate 3D models, point clouds, orthophotos, and digital terrain models—all in a single, intuitive workflow. Offline use without cloud dependency.

Workflow

Workflows are at the heart of project management using purely digital methods. These must be lived and experienced.

Newforma Konekt

Newforma provides you with a comprehensive workflow management tool. Specially configured for your small and large construction sites. Covers defect management, changes, supplements and much more.

App

scin® App

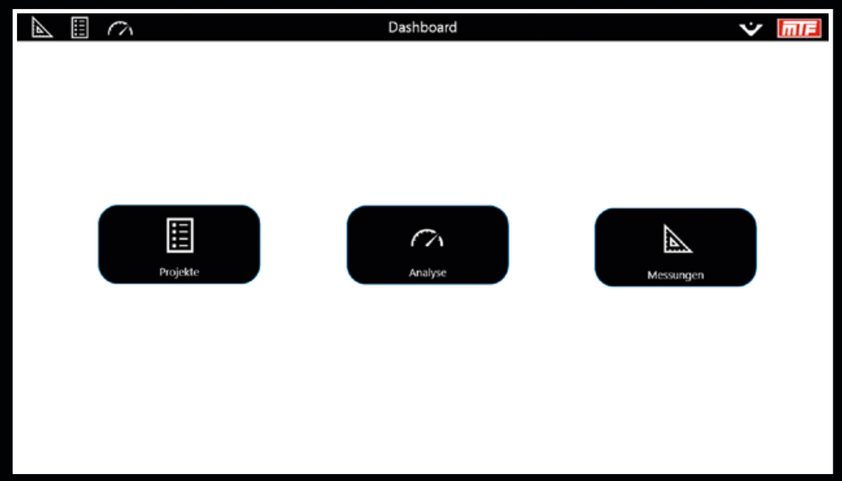
Professional 3D scanning application for reality models using photogrammetry—intuitive, mobile, and specifically optimized for construction and utility infrastructure documentation.

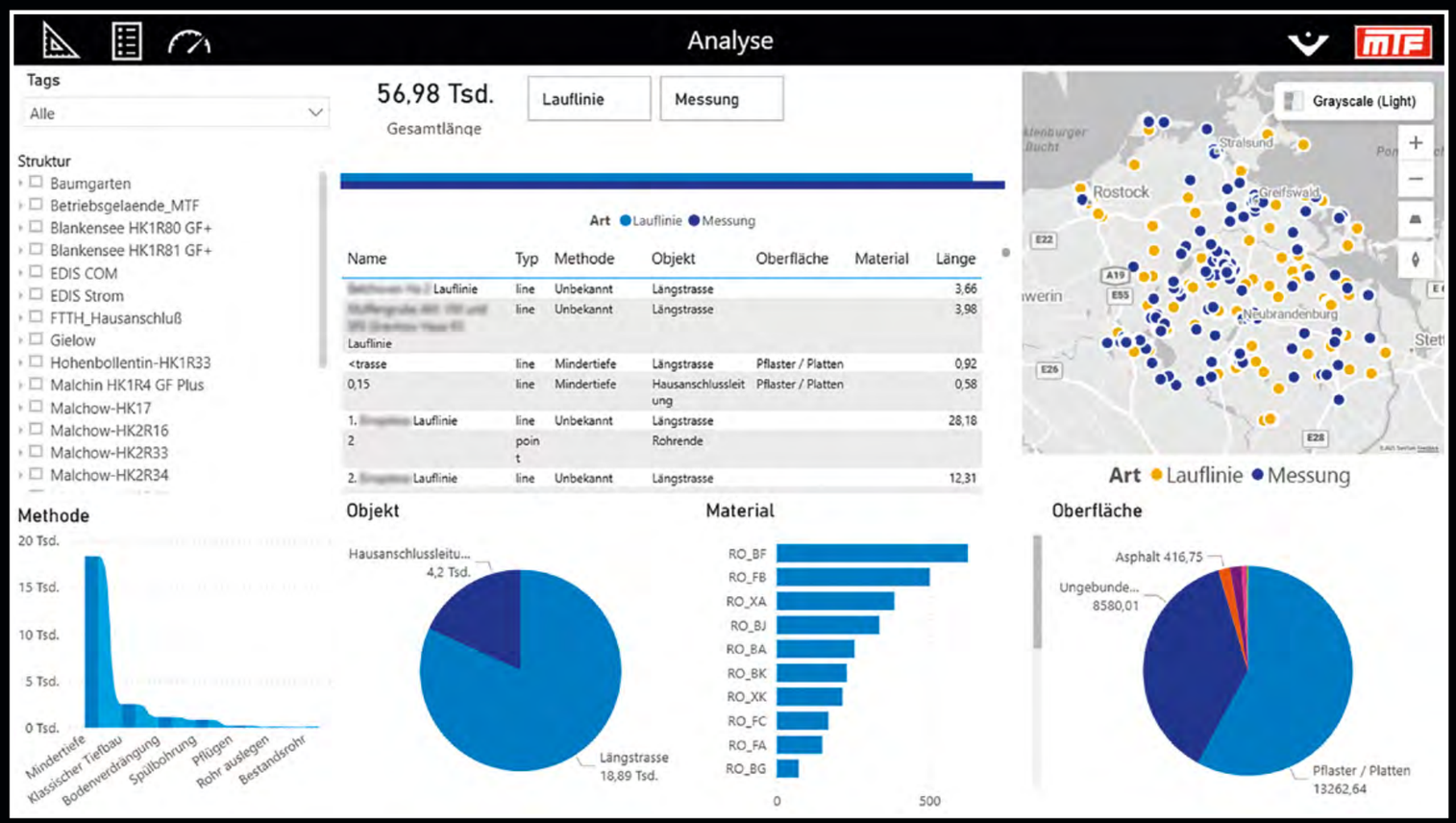
Customer example: MTF Kriesow Anlagenbau GmbH

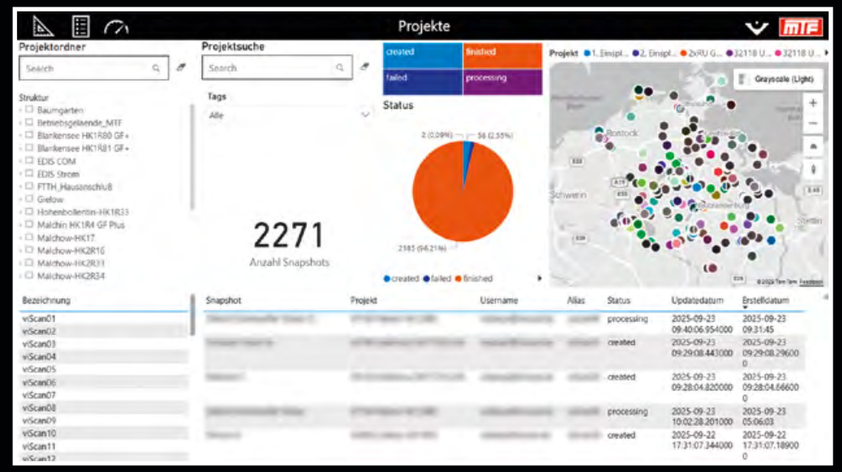
Customized for Our Customers

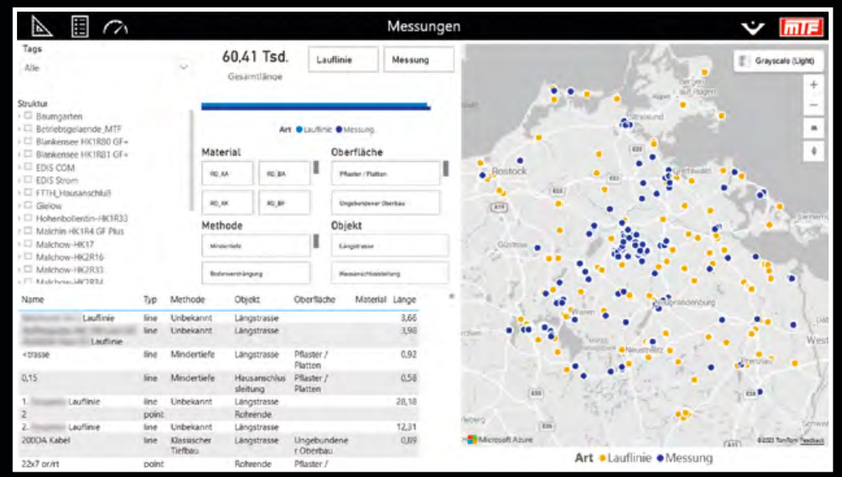
Dashboard & Analysis

Your route data is clearly displayed in the viscan dashboard. Stored attributes can be quickly analyzed and evaluated: by material, surface, civil engineering method, or object. This allows you to identify trends, detect deviations, and make informed decisions—your measurement data becomes a valuable tool for efficient and safe construction supervision.









geo mesh

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geomesh

The easy way to get started with drones and handheld scanners

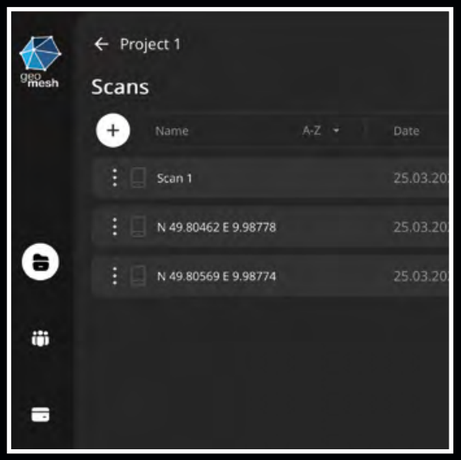
With geomesh, you can process all drone data sets in addition to the data sets from the scin® app. Combine both recording technologies to be even more efficient.

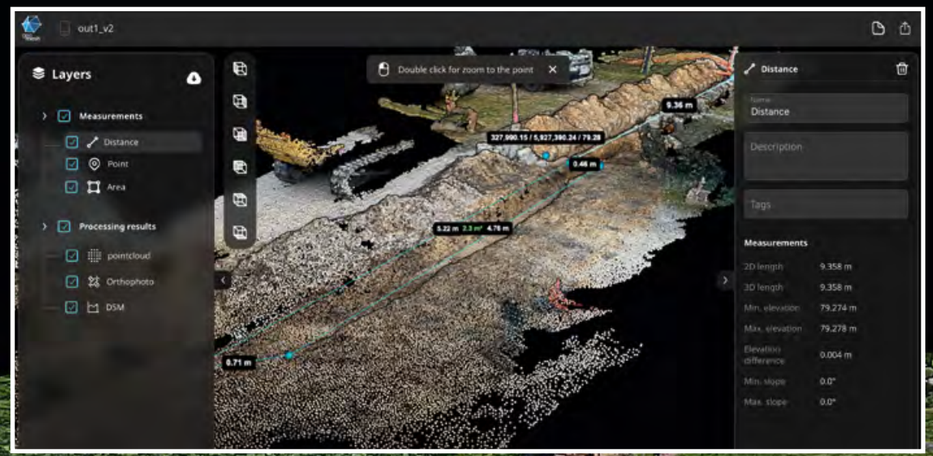
The easiest way to view, measure and review your 3D scans all the way to a report is the geomesh cloud.

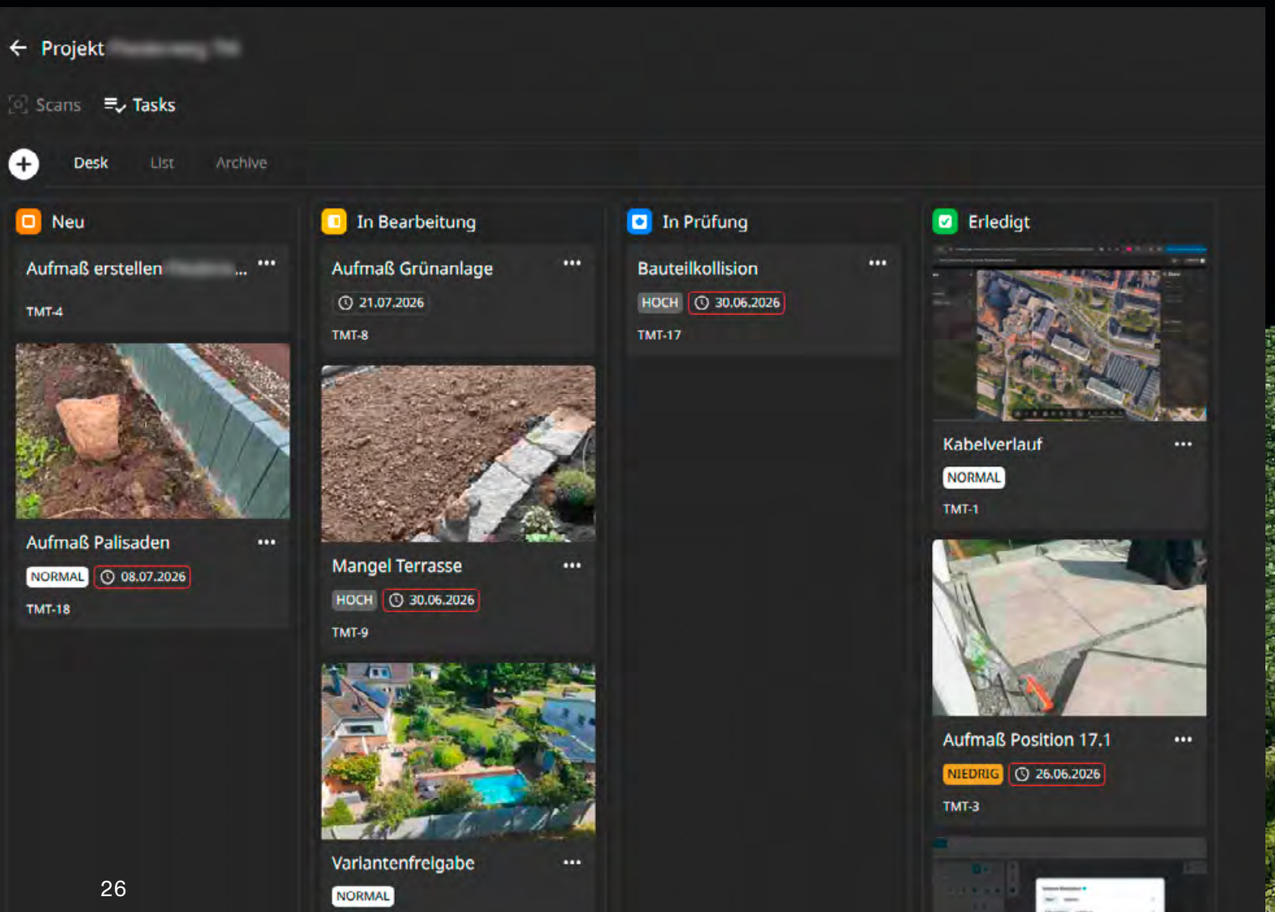
Organize your projects and teams via four different user roles.

Simple measurement functions for individual points, lines and areas, as well as volume calculations, help you to create your measurements quickly and digitally. Summarize everything in a standardized report and link your condition survey for verification purposes.

geomesh-Cloud is available for all regions where scin® is used. If you are already a customer of viDoc® and/or the scin® app or have your own DJI Enterprise drone, the path to using our platform is short and simple.









Trimble® Connect CDE

For your digital projects—from small-scale deployments to large BIM projects, our solutions grow with your require-ments.

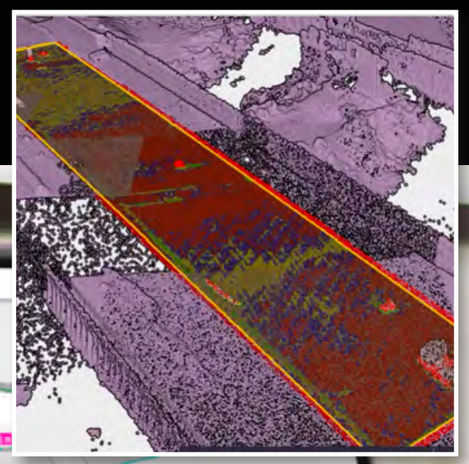
Trimble® Connect CDE (Common Data Environment) is a cloud-based platform for centralized data management in construction, infrastructure, and planning projects. It enables seamless collaboration among all project stakeholders—from architects and engineers to contractors and clients—and ensures that work is always carried out using the most up-to-date and accurate information.

Features:

- Central management of all project information
- Improved communication and collaboration
- Reduction of planning errors and rework
- Support for BIM processes
- Location-independent access to up-to-date data
- High data security and compliance

Trimble® Connect CDE is provided exclusively in conjunction with Trimble® SiteVision®.





propeller
Authorised Dealer

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Propeller:
Map, Measure & Manage

Data collection made easy.

Reduce the complexity of data collection with the fully integrated drone survey workflow that combines AeroPoints, high-precision drone data and cloud-based software.

viscan is an authorized Propeller dealer.

Workflows

Mapping

Simplify the processing of data and measurements.

Measure & Manage

Get insights and manage your projects like never before.

Propeller PPK

Capture, process and correct drone data in drone data in survey quality.

Use cases

> Subcontractor management

> Collaboration & communication

> Track project progress

> Volume calculations

> Construction site documentation



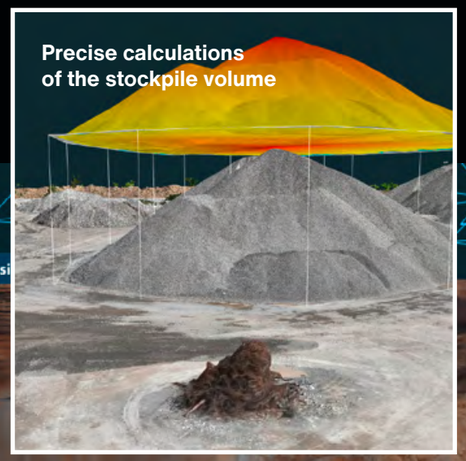
3Dsurvey – Photogrammetry software

3Dsurvey is a powerful and user-friendly photogrammetry software designed specifically for processing drone and terrestrial image data. It enables the creation of accurate 3D models, point clouds, orthophotos, and digital terrain models—all in a single, intuitive workflow.

Features:

- Compatibility with drones, scanners, GNSS, LiDAR, and more
- Integrated CAD functionality for further processing and analysis
- Volume and area calculation for construction and infrastructure projects
- Flexible licensing models and modular extensions such as RTK videogrammetry and scan modules
- Offline use without cloud constraints – full control over your data





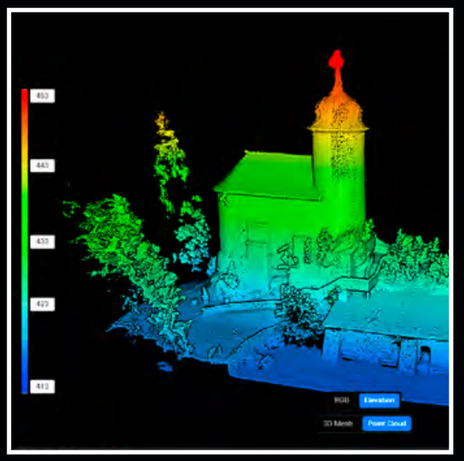


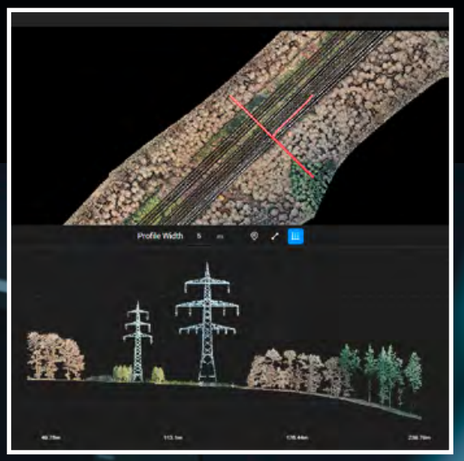
DJI Terra

Powerful 3D modeling software equipped with next-generation reconstruction technologies such as 3D Gaussian Splatting. It supports a wide range of precise and efficient 2D and 3D reconstructions from visible-light data, as well as the processing of data captured with DJI LiDAR. In combination with DJI drones, DJI Terra provides a fully integrated hardware and software solution for data capture, processing, and application. The result is an optimized workflow for aerial surveying with maximum efficiency and highest precision.

Features:

- Photorealistic Gaussian splatting
- Photogrammetry with proven precision
- LiDAR reconstruction with versatile applications
- Multispectral reconstruction for agriculture
- Cluster reconstruction for superior efficiency
- Integrated aerial surveying (hardware + software)





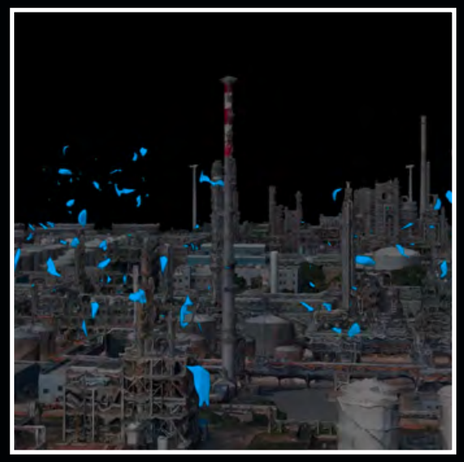


DJI Modify – Editing of 3D models

Thanks to its optimized and intuitive user interface, model editing is now simpler and more efficient. In combination with a DJI Enterprise drone and DJI Terra, this software becomes a true end-to-end solution—from aerial surveying and modeling to model editing and easy access to the generated models—for surveying and mapping, fire-fighting, emergency response, and transportation.

Features:

- Seamless workflow between DJI Terra and DJI Modify
- Optimized interaction with quick preview
- Removal of floating artifacts
- Smoothing
- Texture correction
- Hole filling
- Water surface correction
- Cloud sharing







If this is what you have in mind, viscan is the right partner



Civil engineering and road construction
> Road construction
> Earthworks
> Sewer and drainage



Line construction
> Fiber optic expansion
> Geothermal and district heating
> House connections

Your digital construction site



Civil engineering
> Bridges
> Retaining walls



Existing Conditions Capture & Planning
> Condition Assessment & Inspection
> Surveying
> Modeling
> Model-Based Analysis & Inspections
> Building Thermography Consultancy



Recording road infrastructure
> Road databases
> Existing conditions planning, topography, road infrastructure & more



Extraction & disposal
> Quarries
> Gravel pits
> Landfills

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The components for a customized solution

Products

> State-of-the-art surveying and documentation technologies especially for use on construction sites

> With us, you always get the latest equipment for your construction sites, which is best suited to your project

> All the products we sell include direct support from our technical teams

Consulting

> Product-neutral, project-related, individual advice

> Focus on the best solution for the project

> Based on over 11 years of practical experience

> Save time during realization and implementation

Your solution for the digital construction site

Services in the project

Implementation of hardware and software solutions for your own construction site management

Realization of the handling of the construction site:

> BIM overall coordination

> BIM management

> Technical coordination and coordination on the subject of surveying

> Support with the introduction of new technologies

> Verification management and interfaces to the topics

Workshops & seminars

> Customized for the customer and for the construction site

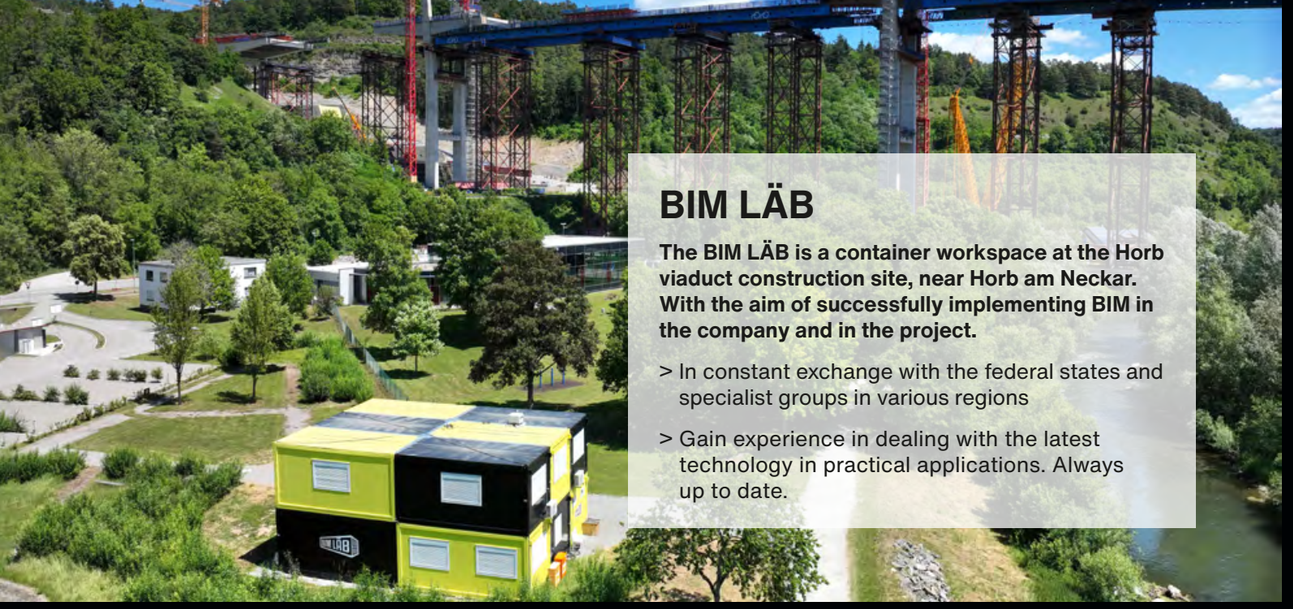
> Based on practical experience, immediately applicable

> Access and benefit from the possibilities of BIM LÄB

> Wide range of hardware and software training courses

> Right up to basic BIM training courses with buildingSMART certificate

> New from Q4 / 2026: Take our eLearning platform for BIM on the road – your everyday helper! Make your BIM models accessible to anyone, at any time on any device



BIM LÄB

The BIM LÄB is a container workspace at the Horb viaduct construction site, near Horb am Neckar. With the aim of successfully implementing BIM in the company and in the project.

> In constant exchange with the federal states and specialist groups in various regions

> Gain experience in dealing with the latest technology in practical applications. Always up to date.

Trainings & Workshops

Do you want to deal with the digital construction site and BIM and provide your employees with qualified training? Then we are your qualified partner.

From basic BIM training in accordance with the buildingSMART standard to practical workflow training and tooling introductions.

We also give you access to information from the BIM LÄB and other institutions.



BIM LÄB | viscan bureau of visionary engineering

Operation of the BIM LÄB

The BIM LÄB BW is an institution of the state of Baden-Württemberg. It currently trains around 400 people a year on BIM and introduces new technologies.

Through the BIM LÄB, we are in constant contact with specialist audiences from various regions.



Taking BIM on the road – Academy

Our BIM training center offers the opportunity to receive further training in accordance with the buildingSMART standard. In addition to the official international training opportunities, our participants also receive the latest information on digital construction sites and BIM.

buildingSMART International

We are in constant communication with specialist groups from various institutions, construction companies, the federal states and various planning groups.

We pool this experience and are happy to share it with our customers and partners.

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We have been thinking ahead for over 15 years, to make the digital construction site a reality.

For the benefit of our partners, customers and our industry.

Let us inspire you and see our ideas and concepts for yourself: from practice for practice.

We look forward to exchanging ideas with you: Please feel free to arrange your personal appointment with us.

www.viscan.de
www.scin.app
www.bim-läb.org
www.geo-mesh.com

From now on, we will keep you up to date via our new viscan WhatsApp channel: Everything about the digital construction site, BIM and the latest trends from the industry.

Our current General Terms and Conditions as well as the Service Level Agreement apply. For third-party products, manufacturer terms apply; service & support may be subject to additional charges.

Stand 21. October 2026