

)softvise(

Cadmium - A powerful software system for reviewing very large engineering projects



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Authorized Sales Channel

VRLOGIC

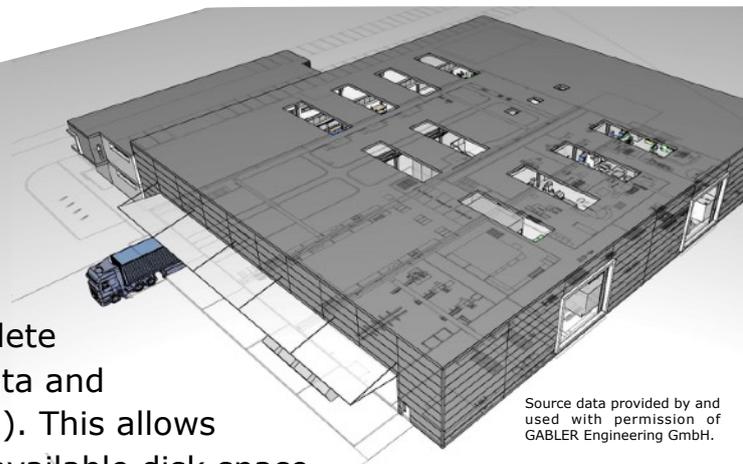
The professionals in 3-D technology

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Softvise Cadmium is the software tool for the 3D review of very large engineering projects. Cadmium delivers its best performance for projects that benefit most from visual review. Current main areas of application are factory planning (with a growing attention to BIM) and design of complex machines.

The system is used by leading companies in the automotive, aerospace and engineering sector.

- **virtually unlimited model size**
- **as planned vs. as built documentation**
- **blend between 3D laser scan and CAD model**
- **cloud solution**
- **diving into virtual reality**
- **factory planning**



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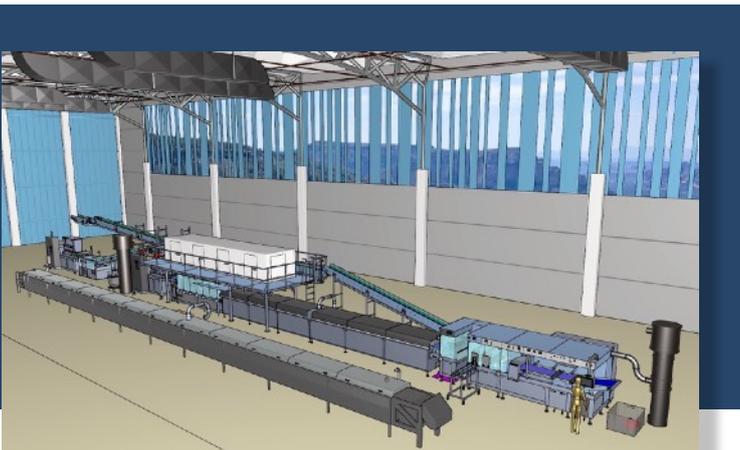
Softvise's technology features out-of-core processing and streaming of 3D in the complete processing chain including 3D data, meta-data and product and manufacturing information (PMI). This allows for model sizes that are only limited by the available disk space. Based on this technology, Softvise's 3D visualization system can render these data sets at interactive speeds on inexpensive graphics hardware. Users can navigate freely with the model to access overarching big picture information as easily as they can inspect tiny details.

Multi-CAD and laser scan support

Cadmium reads all major CAD formats (CATIA, Siemens NX, Solidworks, SolidEdge, Creo, Autodesk Inventor, ...) and the leading CAD exchange formats (JT, STEP, IGES, DXF, ...).

Cadmium reads major point cloud formats: ASTM E57, FARO, NavVis, Potree, ASPRS LAS/LAZ, XYZ and others.

Please feel free to contact us for a complete list of CAD and point cloud formats read by Cadmium.



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Comparison between 3D laser scan and CAD model

Although not initially aimed at the BIM market, Cadmium has proven itself as a powerful planning and reviewing tool in the architecture, construction and engineering domain, especially since the addition of importing capabilities for IFC, AutoCAD, Bentley Microstation, Autodesk Revit, CityGML and Google Earth KML/KMZ (as a bridge to Navisworks).

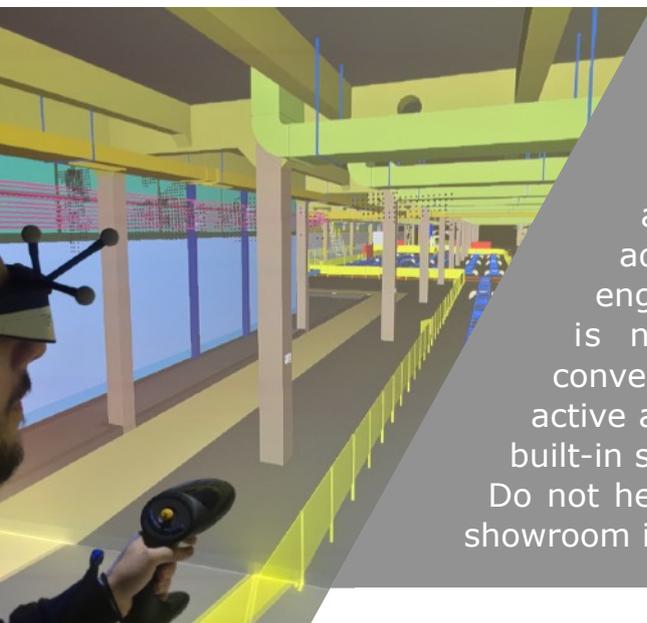


Powerful model review tools

Cadmium is a fully interactive software system. All operations are optimized for real-time speed. The user can identify, select and show or hide every single part of the model. All data properties are available and can be inspected. Cadmium supports measuring, clipping planes, redlining and layout modification.

Seamlessly integrated Virtual Reality

Cadmium has integrated support for the virtual reality head-mounted displays HTC Vive and Microsoft Mixed Reality. Customers can take advantage of immersive 3D visualization of their engineering designs directly at their desks. There is no need for model simplification or data conversion at all. Users benefit from full support for active and passive stereoscopic Powerwall displays and built-in support for 3D mice and game controllers. Do not hesitate to contact us for a demonstration at our showroom in Dieburg, near Frankfurt, Germany.



Cadmium products and their key features at a glance

Cadmium Basic Viewer

- Viewing and walking models (including laser scans)
- Reviews (displaying measurements, redlining, POIs, screenshots)

Cadmium Pro

- Creating projects for all Cadmium applications inclusive Cadmium Basic Viewer
- Arranging multiple projects in a scene (layout planning)
- Importer for CAD formats and laser scans
- Editing/optimizing models:
 - Filtering, tessellation (meshing) of laser scans
 - Removal of incorrect geometry
- As-planned vs. as-built comparison of laser scans and CAD models
- Export of selected areas
- Creation of slides (POIs), measurements, redlining, screenshots

Cadmium VR

- Features of Cadmium Pro
- Stereo display (quad buffer) for multiwall projections (CAVE)
- Rendering with multiple computers
- Support of arbitrary wall configurations
- Support for ART-Tracking including FlyStick

Add-on modules

HMD

Support of VR glasses/head mounted displays (HTC Vive, Microsoft Mixed Reality)

Powerwall

Support of stereo large-screen walls

Cadmium Cloud

The Cadmium Cloud product consists of three components that can be assembled according to customer requirements:

- Cadmium Cloud basic system (always needed)
- Cadmium Remote Rendering Agents for Cadmium Web Viewer (optional)
- Cadmium Remote Collaboration Server for collaboration on 3D models with all Cadmium systems including Cadmium VR and Web Viewer (optional)

All Cadmium products can be purchased or rented for a limited period. Licenses are available as node-locked version or floating/server version.

Our Services around Cadmium

Do you need assistance? Contact us! We prepare CAD and laser scan models for you, merge them into complete models, or remove errors. We provide support for software installation and process integration or if Cadmium needs to be connected to a customer-specific data backend.