HILTI

Hilti BIM

INTEGRATED SYSTEM SOLUTIONS – FROM VIRTUAL TO REALITY.

Hilti. Outperform. Outlast.

AN INTEGRAL PART OF THE BIM WORKFLOW.

Hilti provides a range of innovative, state-of-the-art BIM compatible solutions which support the rapid adoption of building information modeling in the construction industry. This makes architectural design, planning and work execution far more efficient than ever before.

Solutions for BIM throughout the building life cycle.
Fast, flexible, user-friendly and fully compatible.

Hilti's BIM compatible solutions are seamlessly integrated into the BIM process for the design, construction and operation of a building. Standardized interfaces to common BIM software ensure proper and flawless data handling.
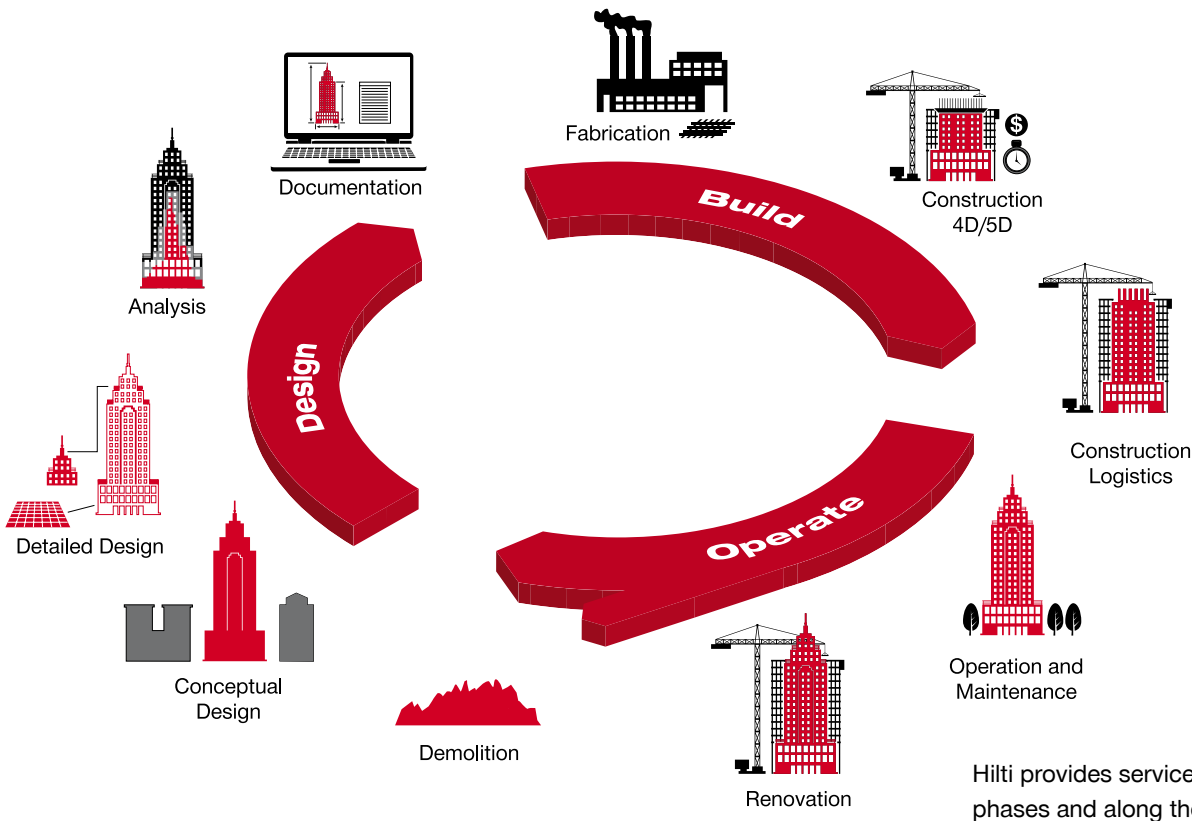
In addition to an extensive range of BIM/CAD objects, amended with intelligent attributes and available in various formats through the Hilti BIM/CAD Library, Hilti also offers the PROFIS design software suite which helps to design and choose the optimum Hilti solutions for any requirement. A bill for material can also be generated as simply as clicking a button. This saves valuable time both during planning and once on site.

Furthermore, Hilti BIM-to-field tools enable architects, engineers, contractors, sub-contractors and building owners to work with a comprehensive single source for information over the entire value chain of a project.

All software solutions are supported by customized Hilti service offerings which reduce workload and help in speeding up the building process.

Advantages at a glance

- Integrated solutions throughout the project life cycle
- Easy use of intelligent virtual products with attributes
- Standardized interfaces to common BIM software
- Efficient BIM-to-field solutions
- Customized service portfolio supporting provided solutions

Diagram labels

- Documentation
- Analysis
- Detailed Design
- Conceptual Design
- Design
- Fabrication
- Build
- Construction 4D/5D
- Construction Logistics
- Operate
- Operation and Maintenance
- Renovation
- Demolition

Hilti provides services in all project phases and along the complete life cycle of a building. BIM intelligently links information from planning through construction to the handover of a building. Flexibility, compatibility and dependability of design, planning and construction are significantly improved.

BIM DESIGN SOLUTIONS.

Hilti provides a comprehensive BIM object database. In addition, public available plug-ins to the most common BIM software solutions represent a fast and convenient way to integrate Hilti object models into BIM projects.

Whenever required, construction professionals benefit from the expertise, consulting services and training of Hilti engineers and technical specialists. They offer support in developing application-oriented design solutions.
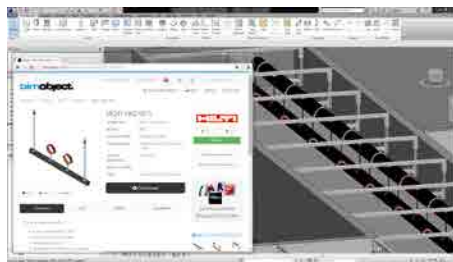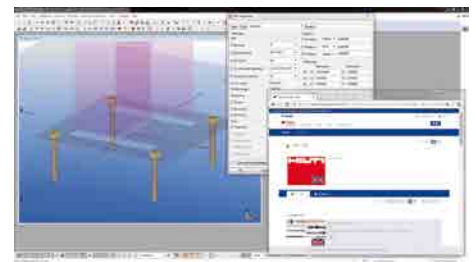
Design

Hilti BIM/CAD Library

The Hilti BIM/CAD library, available in both an online and offline version, offers BIM/CAD objects that are ready to export to the various BIM/CAD applications. All objects carry the attributes required for specifications.
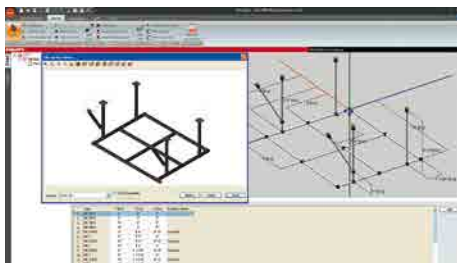
BIMobject platform

Designers now have access to virtual Hilti products in a global library, provided on a leading public platform amongst a great number of manufacturers. All Hilti objects are prepared for the native integration into BIM software with detailed attributes.

Tekla Warehouse

Tekla Warehouse provides embedded families of BIM/CAD objects carrying smart attributes for Tekla, the leading specifier software solution for structural engineers. Using Hilti Tekla Warehouse objects facilitates an easy and convenient design process.

PROFIS Software

The Hilti PROFIS Design Software Suite comprises a range of BIM-enabled software which make a multitude of design tasks, as well as the selection of the required products, easier than ever before. Calculations can be performed in a fast, flexible and user-friendly manner and are ready to be integrated into the BIM model.

Firestop Button

Hilti Firestop Button automates the planning, documentation and management processes of a firestop project. The time- and money-saving process is fully integrated in the BIM workflow. At the click of the mouse all firestop-relevant penetrations in the BIM building model are identified and code compliant firestop applications proposed.

Support

Hilti engineers and technical specialists support architects, layout engineers and planners worldwide in developing application-oriented design solutions. Hilti provides expertise and offers a variety of services on key structural and non-structural applications.

BIM BUILDING AND OPERATION SOLUTIONS.

Hilti supports the building industry by ensuring expert technical advice, reliable products, prompt delivery, ongoing research and development plus outstanding service from a team of highly-trained professionals. All of this helps to make the building process more efficient every day.

Build

BIM-to-field

BIM model information can easily be brought to field via the total station. With Hilti Point Creator point coordinates from 2D drawings or 3D models in BIM applications can be extracted and easily transferred to Hilti Robotic total stations. The Hilti Robotic total station enables guided single-person position layouts and provides on-the-spot verification capabilities.

Just-in-time logistics

Based on the BIM information and the construction schedule, Hilti supports and ensures the just-in-time delivery of their products to the jobsite. If required, Hilti will also prepack or preassemble certain items.

Kitting

The Hilti Kitting Service is linked to just-in-time logistics and is also based on the BIM information. As construction progresses, it ensures the kitting of all relevant products for the current construction phase on the jobsite.

Operate

ON!Track solution

The Hilti ON!Track solution manages all construction assets anytime and anywhere by tracking and assigning tools to a specific job, crew or worker. By scanning the QR code on the product package, information on the product, installation and applications as well as any related information can instantly be accessed.

Technical advice on site

At your request, Hilti field engineers can offer a wide variety of on-site testing in order to verify that fastening products and systems have been installed correctly. Our team of highly trained specialists assist your engineers with the specification of Hilti products through training seminars and on-site support.

Firestop Documentation

Hilti provides a simple solution to document all installed firestop products. The on-site situation can easily be recorded with almost any mobile device. All information is automatically stored in a database where it can later be accessed to generate the final report.

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