

7 Reasons for choosing



BIM



1. SOFiSTiK – The Company

With 35+ years' experience in software development, SOFiSTiK can look back on constant growth and continuous improvement. SOFiSTiK closely cooperates with universities and research partners and strives to achieve the highest standards of quality and reliability. SOFiSTiK products are 100% German made – from engineers for engineers.

2. SOFiSTiK worldwide

Over 5000 satisfied customers in more than 90 countries on all five continents use SOFiSTiK to realise their projects – from structural analysis and reinforcement planning for detached houses to the modelling, calculation and design of bridge, infrastructure and other demanding structures in accordance with various international standards. Globalisation needs the right tools.

3. One tool for all

SOFiSTiK is the only available application supporting the design of buildings, offering comprehensive tools for bridge design, supplying powerful features for steel and lightweight structures and also going below the surface for foundations, geotechnics and tunnel design. For specialised requirements we allow for easy extension of your package by adding one or multiple modules (e.g. dynamics, pre-stressing, etc.) without leaving the general workflow.

Buildings

Full and partial 3D Models, Columns, Foundations, Soil-Structure-Interaction, Fire Design

Bridges

Concrete, Steel, Composite, Pre- and Post-Tensioning, Construction Stages, Time Dependent Effects, Cable and Girder Bridges, Revit based 3D Bridge Modeling

Steel & Lightweight Structures

Steel Profiles, Stability, Buckling, Membranes, Cable Elements, Stress Free Geometry, Cutting Patterns

CAD/BIM

Formwork & RC Detailing in 2D and 3D Reinforcement, AutoCAD® & Revit®-based

Dynamics

Response Spectras, linear and non-linear Dynamics, Push-Over, Rail-Structure and Train-Structure-Interaction, CFD, Wind Dynamics

Geotechnics & Tunnelling

2D and 3D Models, many Material Laws, Excavation Simulation, Anchors, Volume Elements

4. Flexibility and Interfaces

FEM offers powerful interfaces to various graphical modelling tools: Autodesk® AutoCAD®, Autodesk® Revit® and McNeel Rhinoceros®. The specially developed CADINP input language is particularly suitable for parameterisable projects. The SOFiSTiK program suite can be divided into three major parts: Pre-processing | Solvers | Post-processing. All data is managed in a common database (CDB). This means that the various input types can communicate flexibly and optimum interfaces are provided, and SOFiSTiK can of course be integrated into Open BIM workflows: The support of IFC, SAF and xls formats allows maximum adaptability to project requirements.

5. Cost Efficiency

Several users within one network at any location working with the Pre- and Post-processing tools can share the (floating) solver licences. This, together with multi-licensing discounts, allows for a smart and costefficient network setup. We offer both permanent and rental licensing options according to the precise needs of the customer.

6. 100% Continuous BIM-Workflow

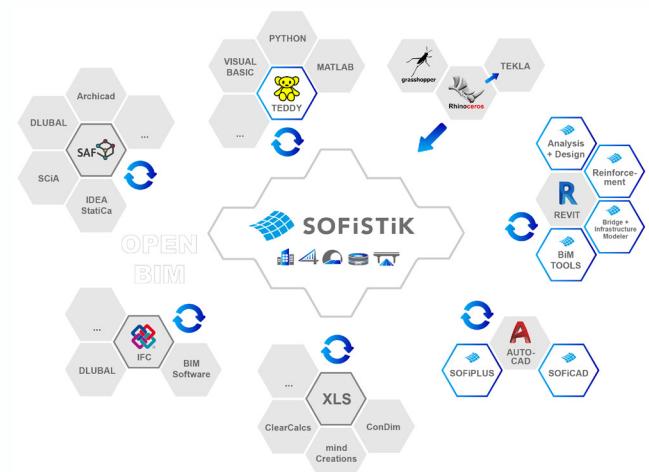
With the Analytical Model Generator, SOFiSTiK offers a powerful tool for creating analytical models from the physical model in Autodesk Revit. From the analytical model, SOFiSTiK generates a 3D FE system or 2D FE subsystems with all loads and support conditions. These can then be calculated with SOFiSTiK FEM. Based on the SOFiSTiK design results, it is possible to quickly generate a 3D reinforcement model in Revit. With SOFiSTiK Reinforcement (RC), a finished reinforcement plan can be created very efficiently.

7. Support and Services

Experienced engineers in the Customer Services department are on hand to answer our customers' questions about the programs and also offer support for difficult projects.

The SOFiSTiK subsidiary BiMOTiON, as an authorised training centre, will be happy to advise you on all questions relating to Building Information Modelling (BIM), including support with the implementation of a BIM workflow in your company.

Numerous reference projects speak for themselves.

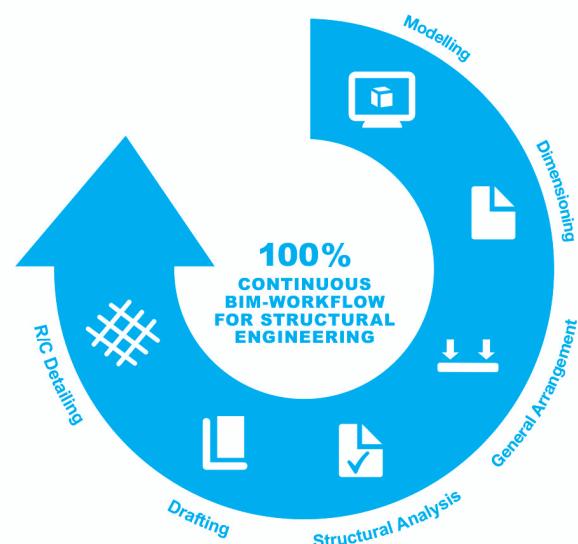


Modelling

Analytical Model Generator for Autodesk® Revit®
Analysis + Design for Revit®
SOFiPLUS for AutoCAD®
SOFiPLUS-X with AutoCAD® OEM
Rhinoceros® Interface
Parametric Text-Input
SOFiSTiK Bridge + Infrastructure Modeler

Dimensioning

Finite Elements (2D)
COLUMN
FOOTiNG



General Arrangement

BIMTOOLS for Revit®
SOFiCAD for AutoCAD®

Structural Analysis

Finite Elements (2D/3D)
COLUMN
FOOTiNG

Drafting

SOFiCAD for AutoCAD® (2D)
SOFiCAD-OEM (2D)
BIMTOOLS (3D) for Revit®

R/C Detailing

SOFiCAD for AutoCAD® (2D)
SOFiCAD-OEM (2D)
Reinforcement RC (3D) for Revit®