7 Reasons for choosing

SOFiSTiK

BIM

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.
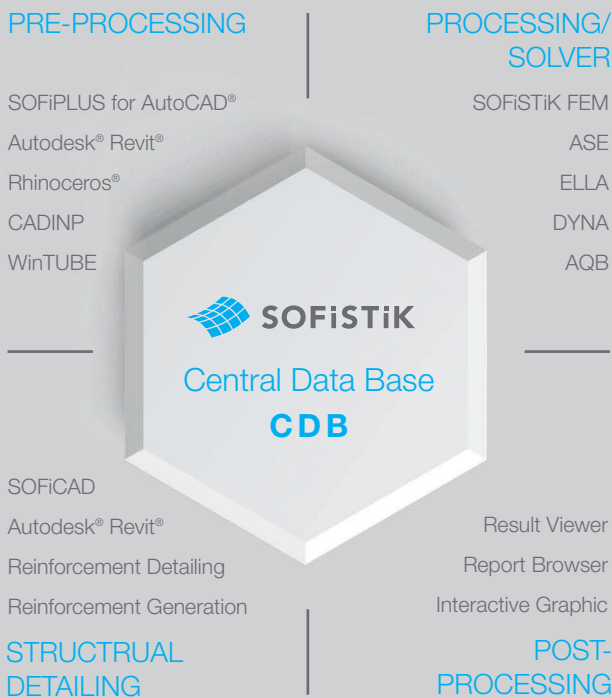
Steel & Lightweight Structures
Steel Profiles, Stability, Buckling, Membranes, Cable Elements, Stress Free Geometry, Cutting Patterns.

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.

SOFiSTiK

1. Experience, Research, Quality

With 30+ years of experience in software development, SOFiSTiK looks back at constant growth and continuous improvement. SOFiSTiK closely cooperates with universities and research partners and strives for achieving the highest standards on quality and reliability. The products are 100% German made with 3000+ customer in more than 60 countries worldwide.

2. One stop solution for structural engineering

SOFiSTiK covers the full workflow of design development for the consultant/contractor:
- from conceptual design to detail working drawings.
- from day-to-day to high end design challenges.
We offer tools for simple problems up to challenging long span/high rise structures. Various international standards are covered, making it the perfect tool for companies working across the globe.

3. One tool for all

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

www.sofistik.com · info@sofistik.com

PRE-PROCESSING

SOFiPLUS for AutoCAD®
Autodesk® Revit®
Rhinoceros®
CADINP
WinTUBE

PROCESSING/ SOLVER

SOFiSTiK FEM
ASE
ELLA
DYNA
AQB

SOFiSTiK

Central Data Base
CDB

SOFiCAD
Autodesk® Revit®
Reinforcement Detailing
Reinforcement Generation

Result Viewer
Report Browser
Interactive Graphic

STRUCTRUAL DETAILING

POST-PROCESSING

100% CONTINUOUS BIM-WORKFLOW FOR STRUCTURAL ENGINEERING

Modelling
Dimensioning
General Arrangement
Structural Analysis
Drafting
R/C Detailing

Modelling
Extensions for Autodesk® Revit®
SOFiPLUS for AutoCAD®
SOFiPLUS-X with AutoCAD® OEM
Rhinoceros® Interface
Parametric Text-Input

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)

R/C Detailing
SOFiCAD for AutoCAD® (2D)
SOFiCAD-OEM (2D)
Reinforcement Detailing (3D)
Reinforcement Generation (3D)

4. Flexibility and Interfaces

SOFiSTiK supports efficient and comprehensive interfaces with other applications for modelling and/or detailing. It is a main focus area for us to develop interfaces with other prominent applications and we strive to remain at the forefront in this field. The SOFiSTiK Program suite can be divided into three major parts: Pre-Processing | Solvers | Post-processing. Regarding Pre-Processing we currently support Autodesk® AutoCAD®, Autodesk®Revit®, McNeel Rhinoceros®, IFC, all interfaces are linked through our central data base (CDB). The user can distinguish between graphic user interfaces and/or powerful script language (CADINP), mixing both options as convenient. Parametric input is a specific strength of the program suite.
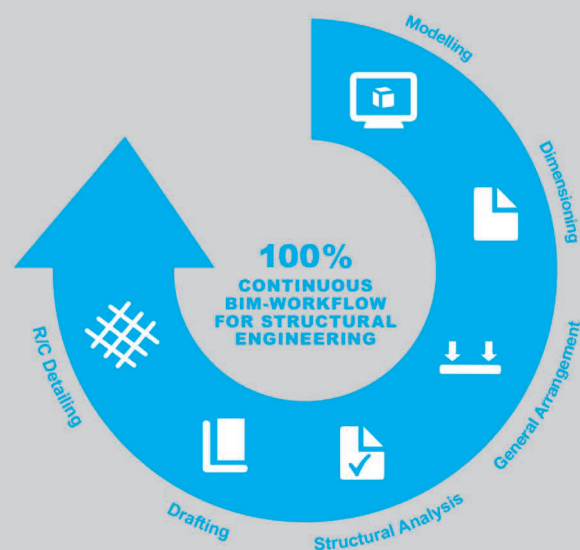
5. Cost Efficiency

Several users within one network at any location working with the Pre- and Post-processing tools can share the (floating) solver licenses. This together with multi-licensing discounts allow a smart and cost efficient network setup. We offer both permanent and rental licensing options to the exact need of the customer.

6. 100% Continuous BIM-Workflow

SOFiSTiK FEA Extension generates entire or partial structural models both in 3D or 2D coming from Revit including loading and support conditions. After design using the available SOFiSTiK tools, design results are made available in Revit as a 3D reinforcement proposal using SOFiSTiK Reinforcement Generation (RCG). The 3D reinforcement is then transferred into 2D reinforcement layout drawings and bending schedules using SOFiSTiK Reinforcement Detailing (RCD). A further smart optional drawing interface to AutoCAD also exists.

7. Support, Services

We are proud of our efficient support including a 24h answering guarantee provided by our experienced engineers from the personalized support team. SOFiSTiK is a multicultural company and we with our worldwide network take care that your specific matters are well understood. Specific trainings and project support including BIM-workflow implementation are also available on request.

AUTODESK.
Authorised Value Added Reseller
Authorised Developer
Authorised Training Center

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