



**FRILO**  
A NEMETSCHKE COMPANY

## **BIM-Connector – More time for the essential**

To accompany you in your daily work and to support you with innovative solutions is our goal as FRILO. In the context of networked building planning, we are now setting new standards with the BIM-Connector and offer you a solution for optimized project work.

### **The Challenge**

Architects, specialist engineers, building contractors - the number of people involved in a construction process is large. Cumbersome ways of communication, constant planning changes and time pressure in intensive project phases put a strain on the everyday work of many civil engineers.

How can they find time and concentration to focus on their actual work?

Building data modeling, better known as BIM (Building Information Modeling), is one of the key factors in networked building planning and is expected to optimize the workflow among project participants in the future.

The BIM-Connector provides you and your team with a networked, efficient and economical planning process that accompanies and supports you in your daily work.

### **The solution: BIM-Connector**

If you are a structural engineer, the BIM-Connector supports you in using the BIM method profitably in your daily work. You can minimize the effort of geometry acquisition. This saves time and optimizes the quality in your work process at the same time.

The BIM-Connector provides the following benefits:

- Considerable time saving
- Optimized workflow
- Faster communication between project participants
- High quality projects
- Avoidance of manual transmission errors
- Fast response to changes
- A stronger focus on your actual work: structural analysis and design

## This is what the BIM-Connector can do for You

The BIM-Connector allows you to read in IFC and SAF files. The building data is then imported, processed and presented to you as a 3D building representation with additional property data. This offers you the possibility to display the imported files as a physical model and then as an analysis model. Thus, typical problem points, which result from the derivation of the physical model to the analysis model, can be solved with a mouse click. Gravity lines of components, which have not met before, intersect afterwards.

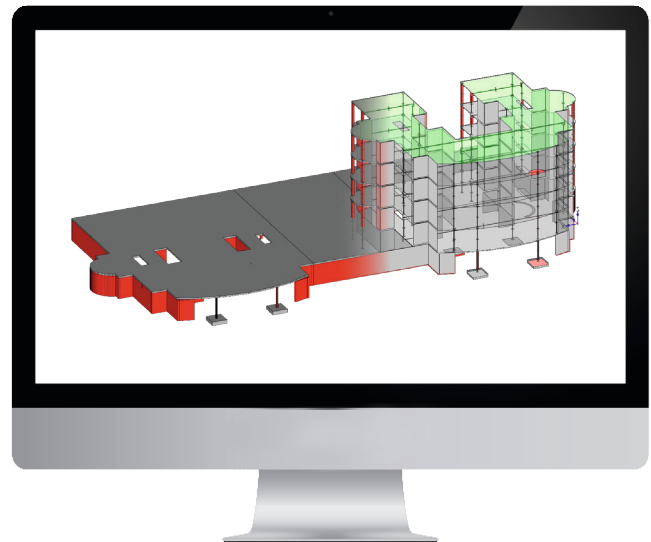
The BIM-Connector saves you the monotonous and time-consuming task of creating the building model by defining its individual parts. It also eliminates manual transmission errors and prevents data loss. Thus you receive a high-quality analysis model. This gives you more time to use your engineering expertise as an engineer in the actual structural calculation and design.

## Status Quo

In the current version of the BIM-Connector, you can call up the FRILO programs Plates by Finite Elements (PLT) and Reinforced Concrete Column (B5+). The graphic-oriented PLT program is used to calculate plate structures with complex supporting conditions or load diagrams. The BIM-Connector allows you to select individual components. For example, a floor slab can be selected and then exported directly to the PLT program. Manual post-processing of the analysis model is possible at any time. After the load input, you can immediately carry out the plate design.

## The Future

The next versions of your FRILO solution will offer additional connections to programs, such as to the Building Model (GEO).



## Workflow

