

Integration of RFEM/RSTAB and Revit Structure

New features for a seamless bidirectional transition from architectural models to structural analysis.

Revit Structure has been enhanced to allow for an easier and more accurate modeling of complex structures represented as physical and analytical models. The analytical model is derived automatically from the physical Revit model with the option to edit releases, supports or loads. The structural model always follows the physical model and removes error sources in the planning process.

Bidirectional Data Exchange

Autodesk Revit Structure provides comprehensive visualization options and a multitude of special tools for creating structural drawings. Due to the direct interface, RFEM/RSTAB

easily interacts with Revit Structure, generates new models or adjusts modifications bidirectionally. In this way, Revit Structure perfectly completes RFEM/RSTAB and can be used for quantity surveying, creating item lists or just to open a door to the AutoCAD universe.

Intelligent Design Objects

As RFEM/RSTAB is based on an object-oriented structural model and Revit Structure on the parametric structural modeling, the objects' intelligence won't get lost when exchanging data. Thus, you will get an equivalent object for a column or girder in Revit and RFEM/RSTAB, and not only a collection of lines or surfaces.

Correct Structural Model

Furthermore, the interface handles typical difficulties resulting from deriving mechanically correct analytical models from physical archi-

Video for Data Exchange from Revit Structure to RFEM

Watch the video for bidirectional integration of Revit Structure and RFEM!

Find the download on our website www.dlubal.com under "Videos".



tectural ones. Due to adjustable reference lines, the load bearing structural parts are merging automatically in the idealized computational model, even if the center lines of columns, girders, floors and walls don't intersect.

Model Alignment

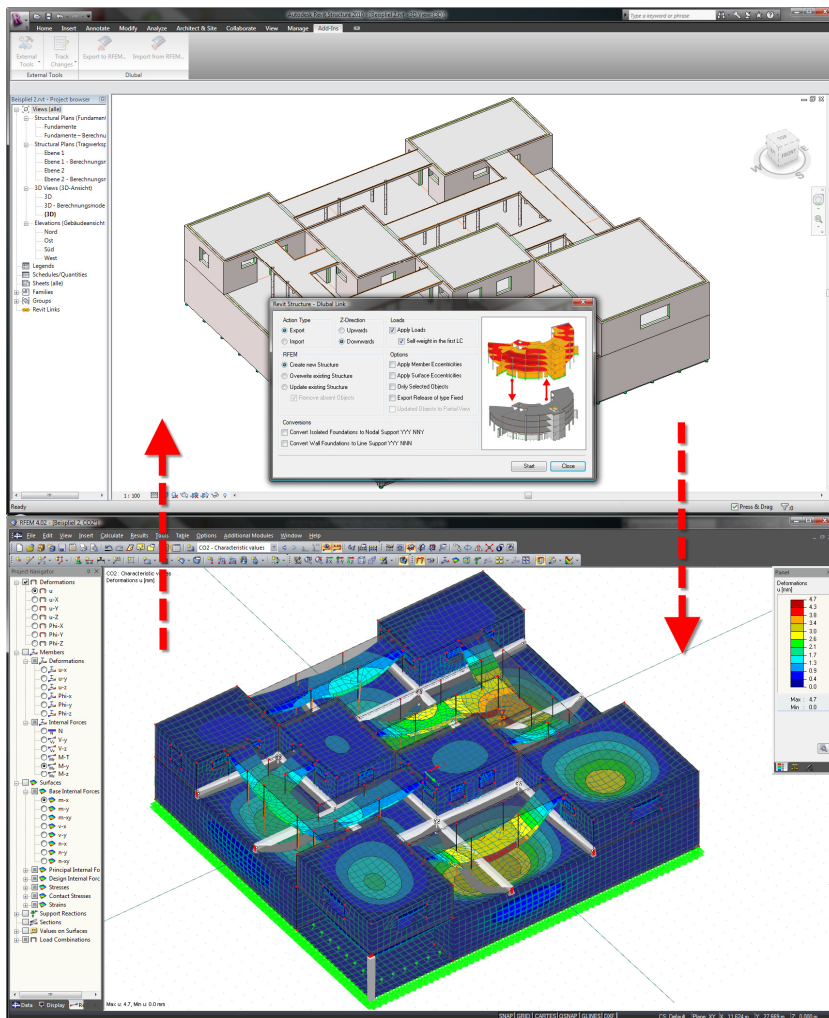
When cross-sections and thicknesses of floors and walls are modified, they can be updated in both programs. New structural components will be added and deleted, design elements will be removed automatically.

Further Information:

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More about Revit Structure:

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