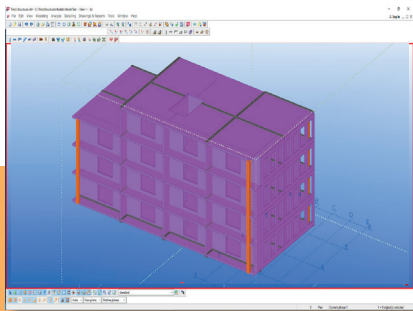




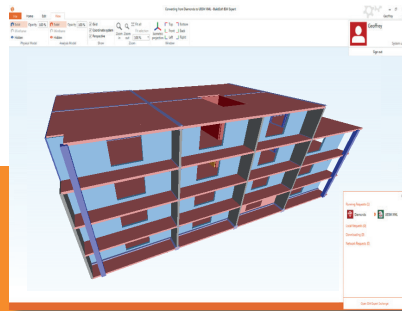
BIM Expert

BIM EXCHANGE SOFTWARE



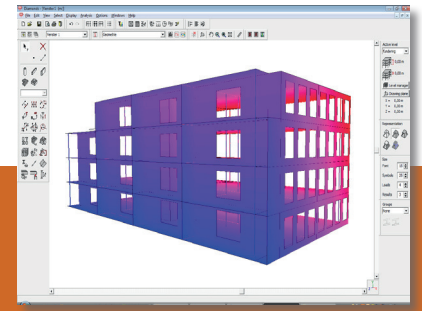
Model

With BIM Expert you smoothly go from the modeling of the physical structure in Tekla Structures to the analysis in Diamonds. Tekla sections and materials are compared and matched with those in Diamonds and transferred.



Convert

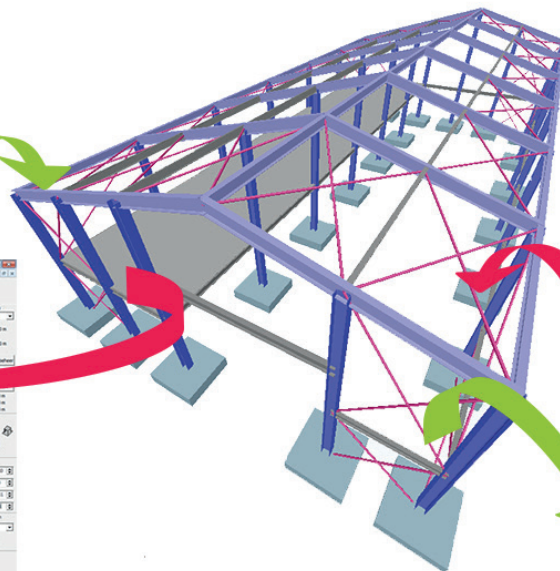
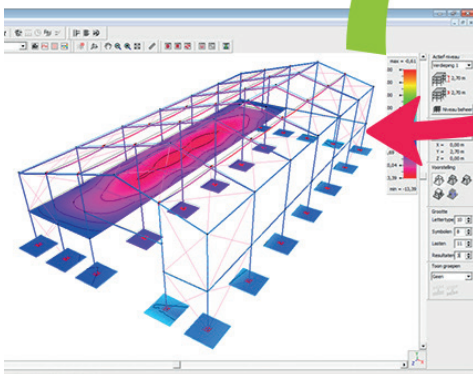
Additional Diamonds parameters such as supports, hinges and loads remain linked to the Tekla model. When you return to Diamonds with a modified Tekla model, you instantly have access to previous assigned supports and loads.



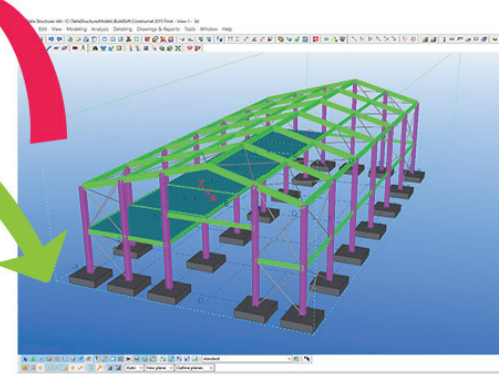
Optimize

You complete the model with supports (solid, springs, soil profile, ..), conditions (joints, tie rods, fire, ...) and loads (point, line, wind, snow and seismic load). You then perform a 1st or 2nd order analysis and quickly obtain the optimal design.

Diamonds



Tekla



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Inspection tools

The BIM Expert will give you you a preview of the structure, coming from Tekla or Diamonds. You can choose to visualize the physical model, the analysis model or both together, for comparing. The BIM Expert tools allow you to inspect the model for errors and make adjustments before you send it to the target software. You are guaranteed of an efficient transfer model at any time.



Working apart together

The new method of exchanging analysis and drawing models is a revolution in the collaboration between designer and draftsman. Both parties may be in the same office, but could be as well each on a different side of the world. With BIM Expert Server Edition, all drafting and analysis models are only one click away, wherever you may be.

Clash control

After the elastic analysis, steel, concrete & timber design and possibly adjusting the cross-sections, you send the model via the BIM Expert back to Tekla Structures. Maybe the Tekla model has now been adjusted by your colleague. BIM Expert previews and makes a clear summary of the changes from the starting model, on one hand made directly in Tekla, on the other hand coming along with Diamonds. This gives you, the user, the complete control of what will remain or will be adjusted.



In figures

- **2000** customers use BuildSoft software in more than 50 different countries
- **25+** years of experience in structural design analysis and design codes
- **4000** BuildSoft licenses in use with customers
- **75%** of the customers have a maintenance or subscription contract
- **2200** student registrations every year for a free educational license

Our customers

- Engineering offices & consultants
- General contractors
- Construction companies
- Public organisations
- Universities & colleges

BIM Expert is a BuildSoft product

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