



Structural Analysis & Design Software



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Amy Heilig, PE
Presenter

CEO - USA Office



Alex Bacon, EIT
Moderator

Technical Support Engineer



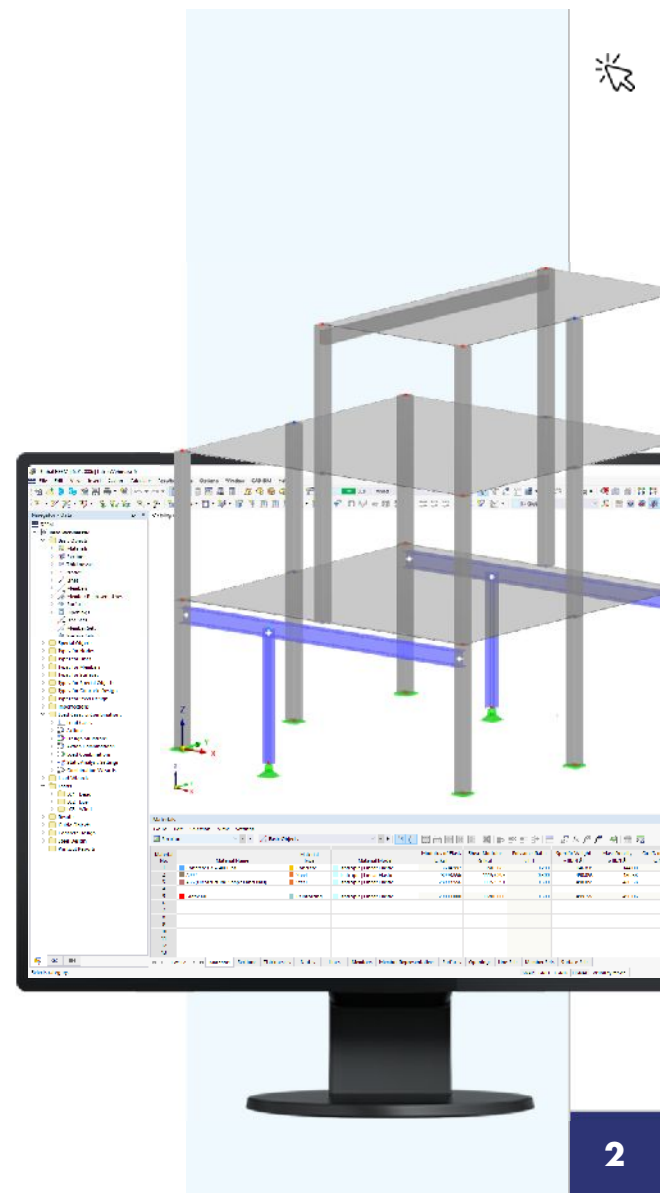
Cisca Tjoa, PE
Moderator

Technical Support Engineer



Webinar

Construction Stages Analysis in RFEM 6



Questions During the Presentation

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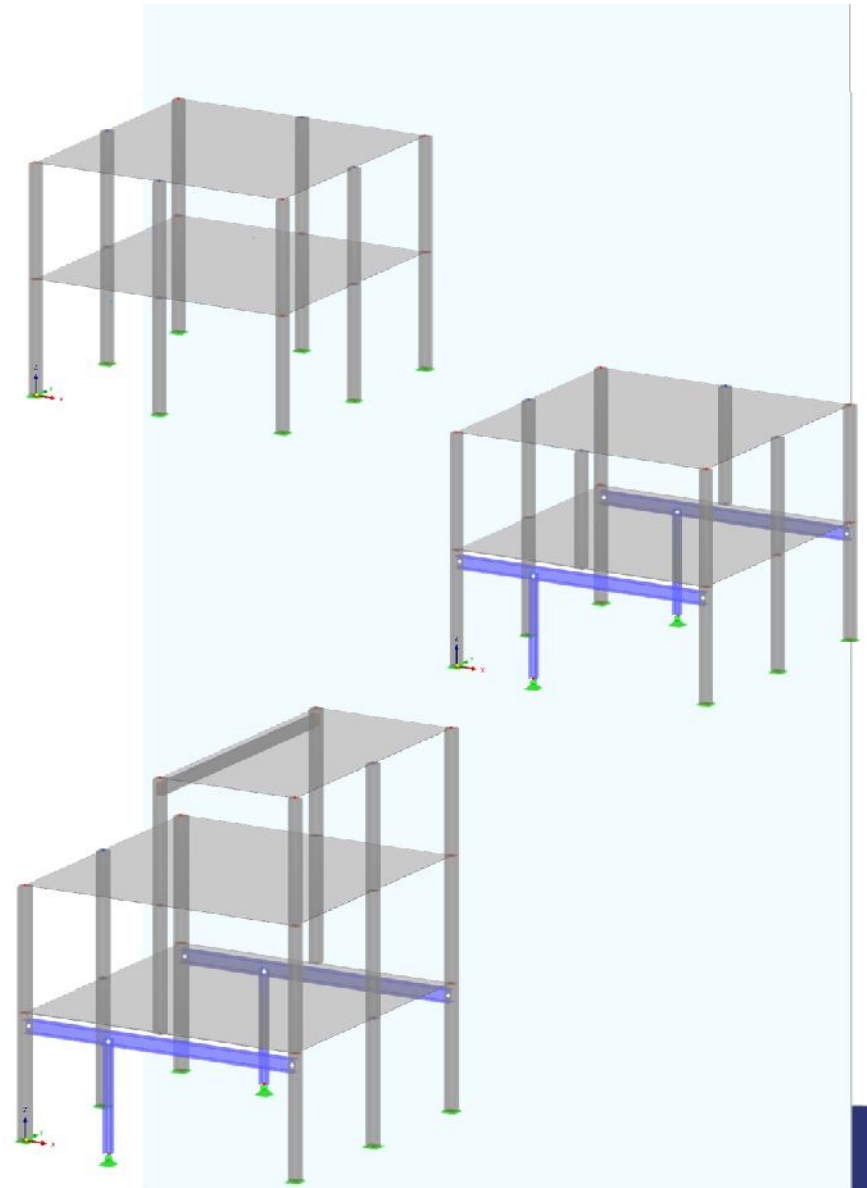


The screenshot shows the GoToWebinar control panel interface. It includes a menu bar with 'File', 'View', and 'Help'. Below the menu bar are three tabs: 'Audio', 'Questions', and 'Webinar ID: 373-901-987'. The 'Audio' tab is active, showing 'Sound Check' with a signal strength indicator, 'Computer audio' selected, 'Phone call' unselected, and a 'MUTED' status. Below this are dropdown menus for 'Mikrofon (2- Sennheiser USB h...' and 'Lautsprecher (2- Sennheiser U...'. The 'Questions' tab is also visible, showing a text input field with the placeholder '[Enter a question for staff]' and a 'Send' button. Three callout boxes with arrows point to specific features: 'Show or hide control panel' points to the top-left corner, 'Adjust audio settings' points to the audio controls, and 'Ask questions' points to the question input field.



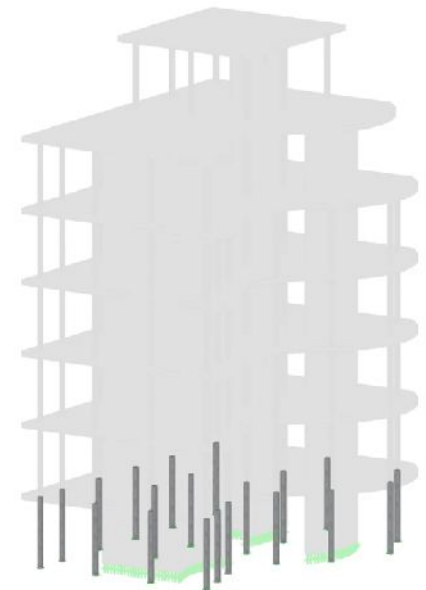
CONTENT

- 01 Introduction to Construction Stages Analysis (CSA)
- 02 Construction stage definition - model
- 03 Construction stage definition - loading
- 04 Consideration of construction stages in additional Design Add-ons
- 05 Analysis and results review



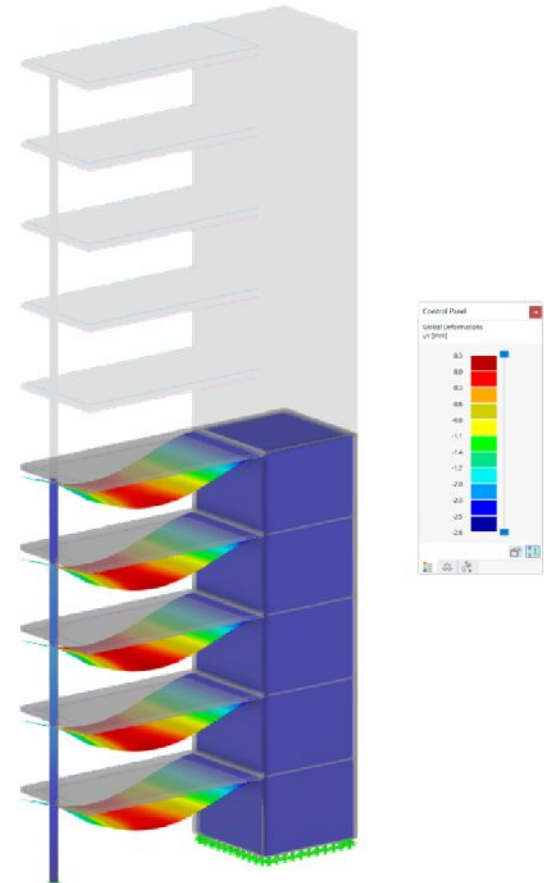
Why Consider Staged Construction?

- During construction, structure passes through loading conditions that vary from the completed structure
- New levels in multi-story buildings are constructed on previous levels already undergoing deflections, stresses, and strain
- Regular, simple structures may see little result differences
- Structures with vertical irregularities (e.g., interrupted column/wall) may see significant result differences
- Compare similar structures under different modeling/loading scenarios in a single file (including nonlinearities)
- Design checks for each stage with the Design add-ons (Concrete, Steel, Aluminum, Timber, Form-Finding, etc.)

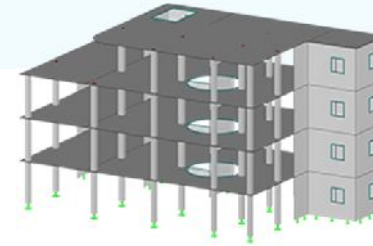


Future Developments

- Consideration of line, surface, and nodal releases
- Stage analysis via load cases and results combinations (linear superposition) for improved performance
- Phased massive cross-sections and surface thicknesses (activate element parts step-by-step)
- Link to Time-Dependent Analysis (TDA)
Add-on for creep and shrinkage consideration (long-term)



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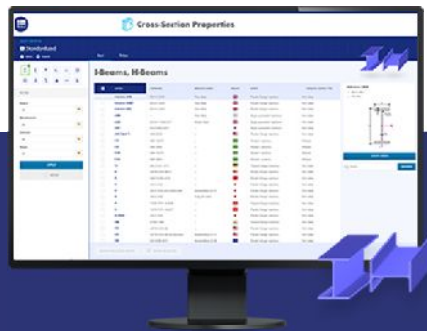
Geo-Zone Tool

Dlubal Software provides an online tool with snow, wind and seismic zone maps.



Cross-Section Properties

With this free online tool, you can select standardized sections from an extensive section library, define parametrized cross-sections and calculate its cross-section properties.



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Models to Download

Download numerous example files here that will help you to get started and become familiar with the Dlubal programs.





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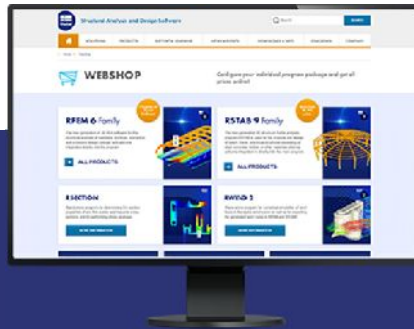
Youtube Channel - Webinars, Videos

Videos and webinars about the structural engineering software.



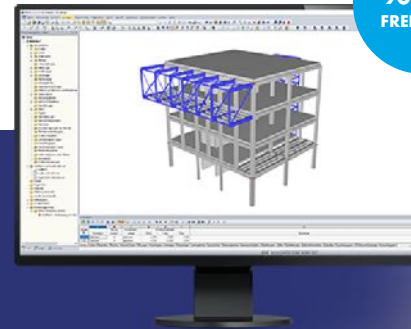
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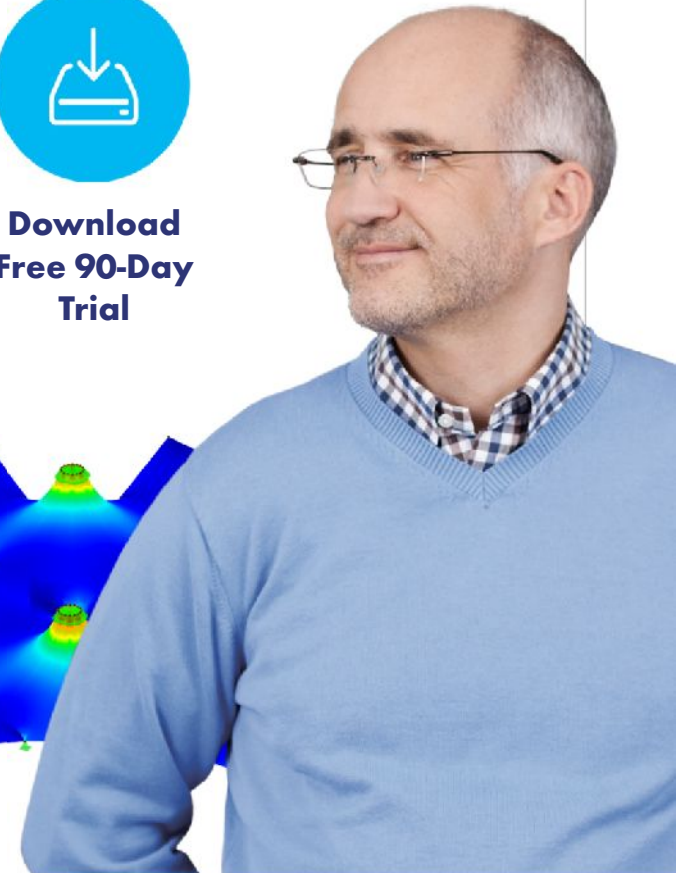
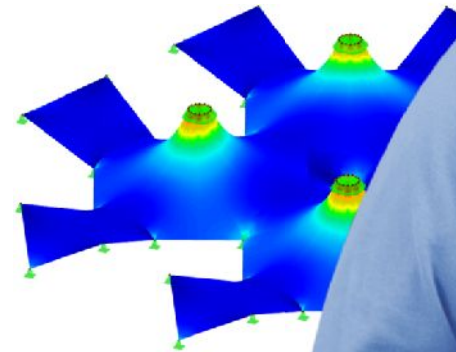
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