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Structural Analysis & Design Software

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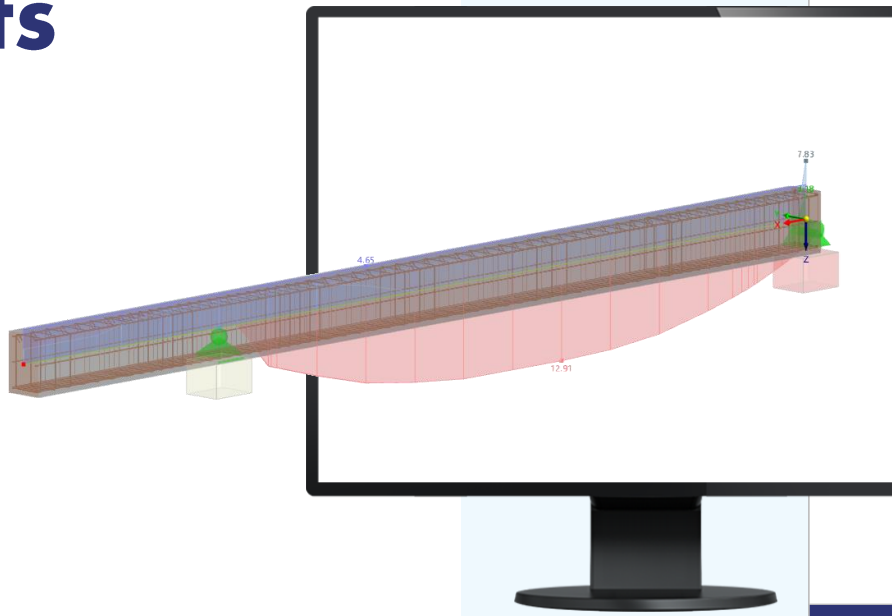
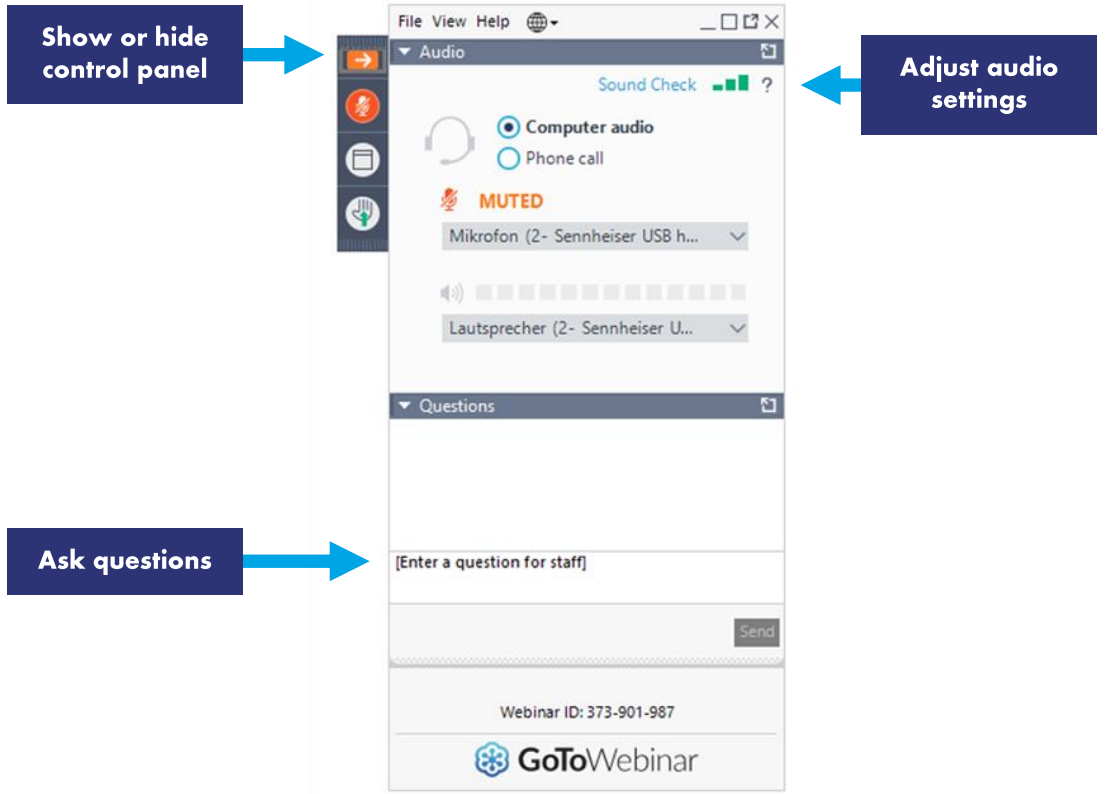
Part 5 | Introduction to Concrete Design

RFEM 6 for Students



Questions During the Presentation

GoToWebinar Control Panel
Desktop



Training Series

01 Introduction to Member Design

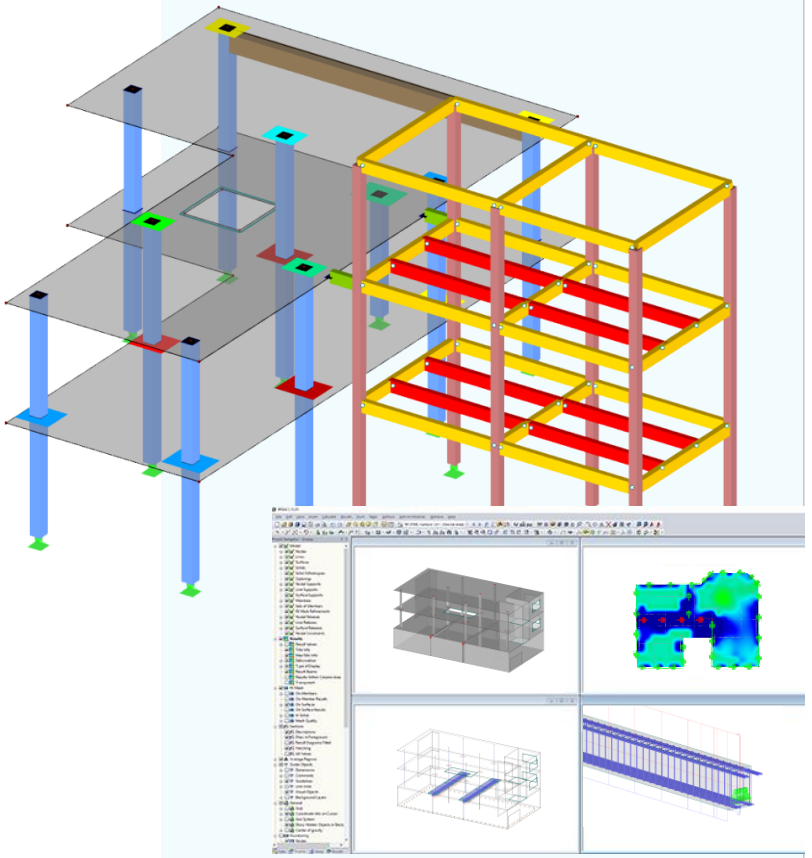
02 Introduction to Strength of Materials

03 Introduction to FEM / FEA

04 Steel Design

05 Concrete Design

06 Timber Design



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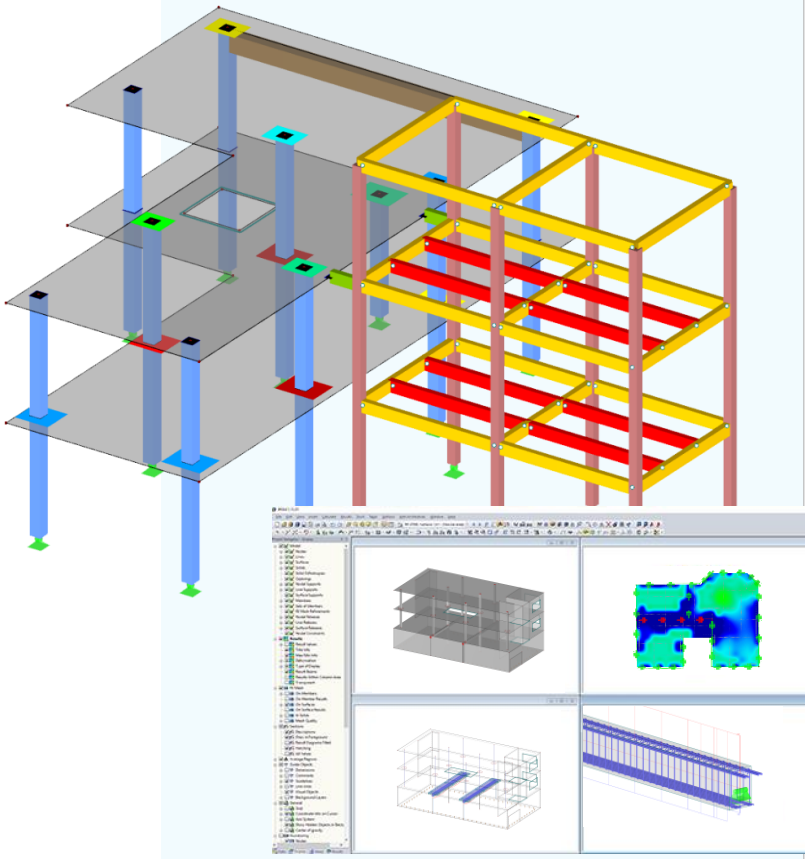
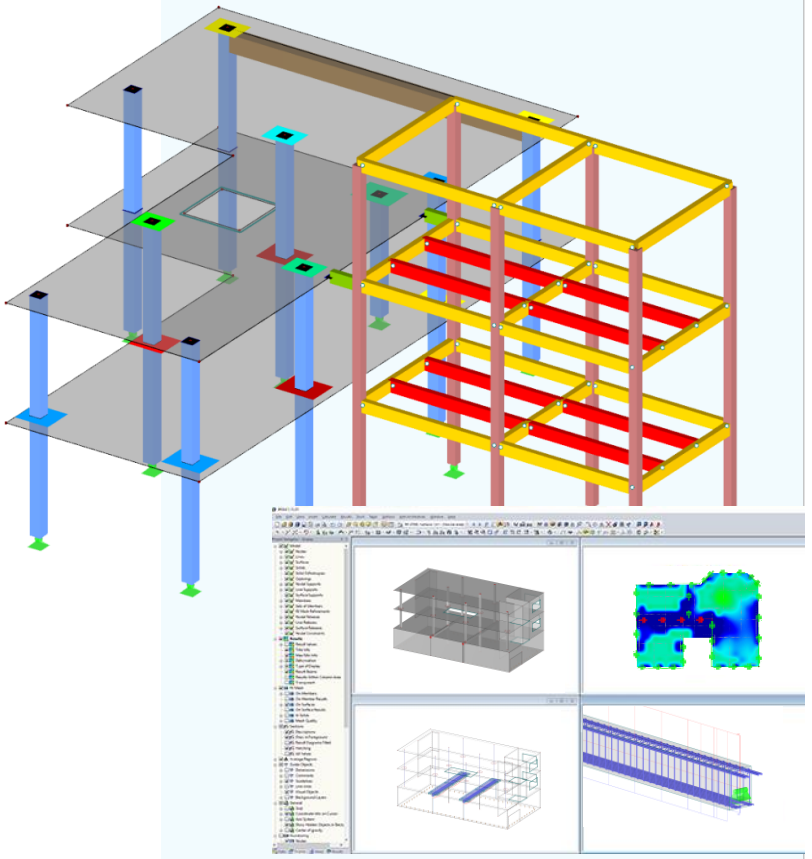


Content

01 Introductory Example: Concrete Beam

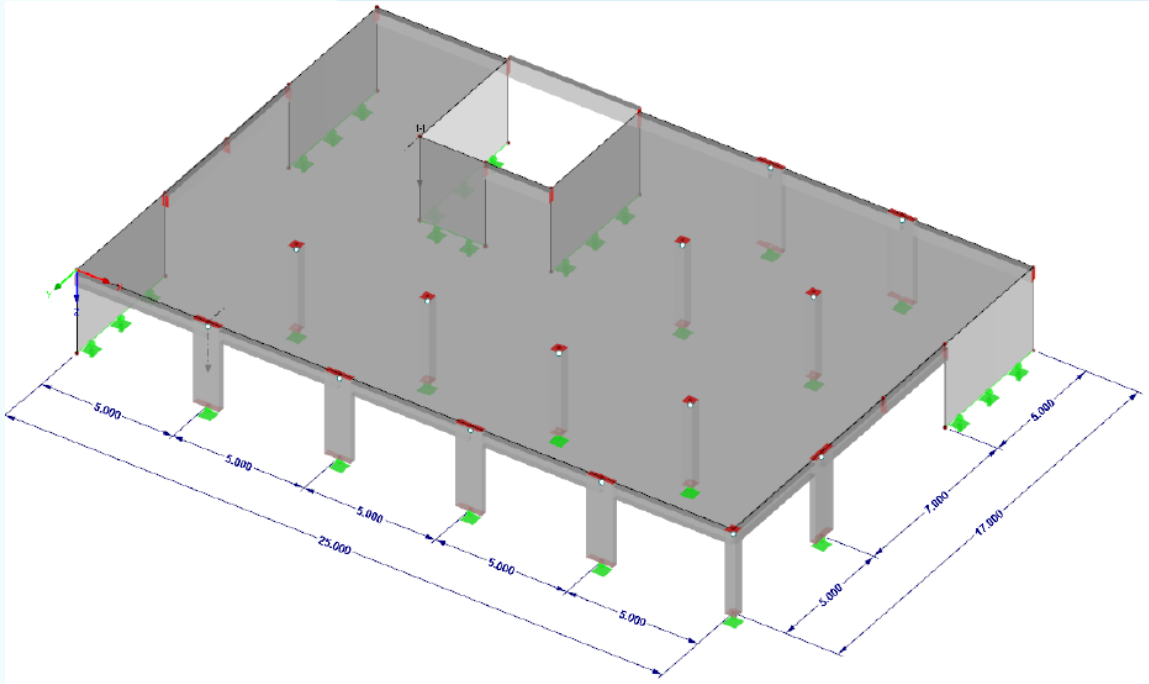
02 Design of a Concrete Slab



Reinforced concrete slab

Slab:
t = 24 cm, C 30/37
Walls:
t = 24 cm, C 25/30
L-Beams:
24 x 45 cm, C 30/37
Columns:
40 x 40 cm, C 25/30
100 x 25 cm, C 25/30

Load Case 1 – Self-weight
Load Case 2 – Live Load of 3 kN/m²



Recommended Links

- **Tutorial – Concrete Design**

  https://www.dlubal.com/en/downloads-and-information/documents/online-manuals/rfem-6-tutorial-concrete-design

- **Webinar**

  https://www.dlubal.com/en/support-and-learning/learning/webinars/002636

  https://www.dlubal.com/en/support-and-learning/learning/webinars/002472

- **Previous Training - RFEM 6 for Students**

  https://www.dlubal.com/en/support-and-learning/learning/videos/003442

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