

Structural Analysis & Design Software







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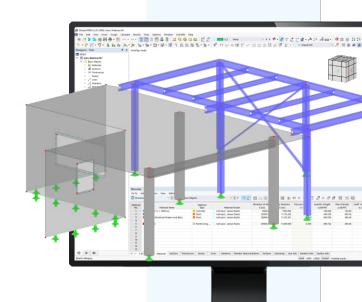
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### Webinar

# Introduction to the New RFEM 6





## **Questions During the Presentation**

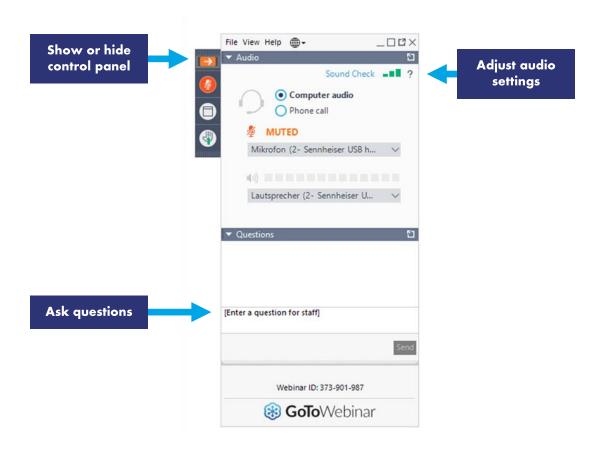


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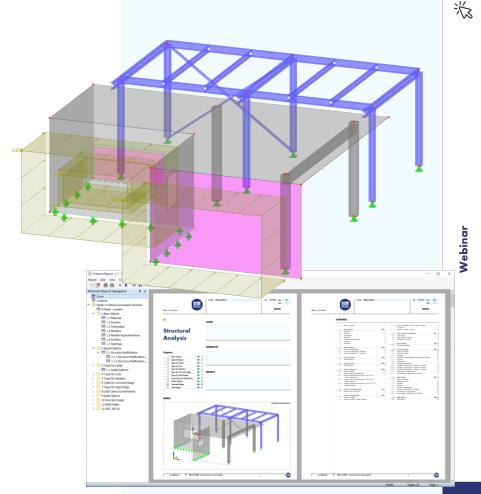






## **CONTENT**

- O1 RFEM 6 background and future development
- **02** New features and improvements
- Introductory example including modeling, analysis, and design
- 04 Improved printout report





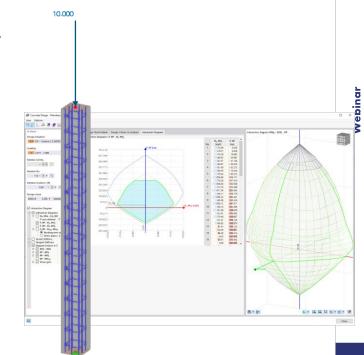


## RFEM 6 Background and Future Development

- Developed in parallel with RFEM 5
- Rewritten in an modern framework programming language (C++ with Qt)
- First release includes new features but not all capabilities of RFEM 5 (e.g. glass, CLT, BIM, etc.)
- Several release phases planned for ongoing development
- Frequent access to updates in the Dlubal Extranet
- Full support of RFEM 5 for ~2 year overlap period
- Forward compatibility with RFEM 5 to RFEM 6 (loss of add-on module data)
- Separate RFEM license configuration for concurrent RFEM 5 and RFEM 6 use







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## **New Stand-Alone Programs**

#### RSTAB 9

Analysis and design for 3D beam, frame, or truss structures including integrated design add-on



#### **RSECTION**

Calculation of section properties for custom thin-walled and massive cross-sections and general stress analysis

**→ More About RSECTION** 

#### **RWIND 2**

Numerical simulation of stationary and transient incompressible turbulent wind flows

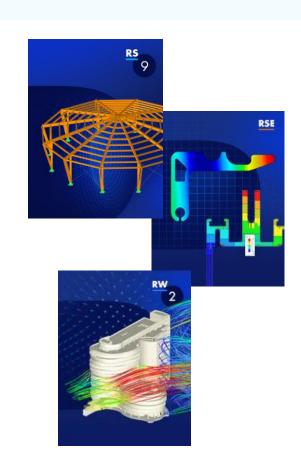
→ More About RWIND 2

#### Web Service and API

Programmable interface to read/write data with RFEM and RSTAB







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# New Add-ons

#### **Building Model**

Add-on for RFEM to define and modify building stories

**→** More About Building Model

#### Optimization & Costs / CO<sub>2</sub> Emission Estimation

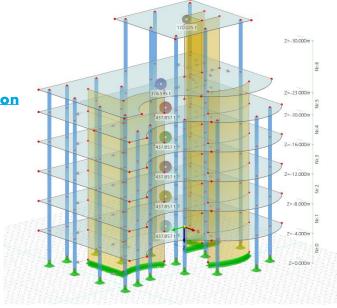
Add-on for RFEM to optimize models using artificial intelligence (AI)

More About Optimization & Costs / CO<sub>2</sub> Emission Estimation

#### Time-Dependent Analysis (TDA)

Add-on for RFEM to consider time-dependent material behavior of members

More About Time-Dependent Analysis (TDA)

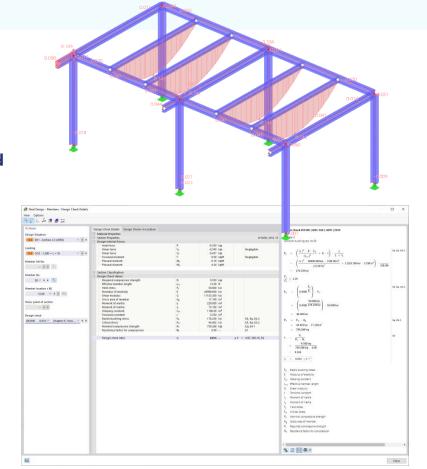




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## **RFEM 6 New Features**

- Integration of add-ons into the main program
- Output of design formulas from relevant standard
- Member and Member Set Representatives
- Cloud based licensing system
- Hot-key definitions
- Improved printout report
- Multi-core solver for quicker calculation
- Web services and API







## $\overset{*}{\not \sim}$







#### **Geo-Zone Tool**

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





**Dlubal** 

# **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.





# FAQs & Knowledge Base

Access frequently asked questions commonly submitted to our customer support team and view helpful tips and tricks articles to improve your work.





# Models to Download

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





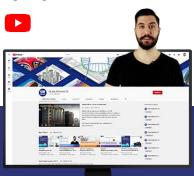


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## **Free Online Services**

## Youtube Channel -Webinars, Videos

Videos and webinars about the structural engineering software.





## Webshop with **Prices**

Configure your individual program package and get all prices online!





#### **Trial Licenses**





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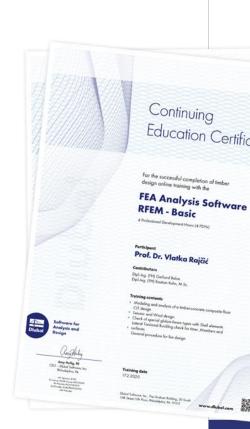
  → Webinars



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