

PROTA[®]Structure Suite

Private Training Set – #1

How to Design RC Structures with the ProtaStructure Suite

Products: **ProtaStructure**, **ProtaDetails**, **ProtaBIM**

We provide three sets of private training, where the initial one focuses on only the design of RC structures, the second one helps you learn how to design steel structures with the **ProtaStructure** Suite, and the last one covers the design of both RC and steel structures with the software.

If it is requested, then two separate editions can be introduced for each set, as “Basic” and “Advanced”.

Content

Starting from the modelling, the complete design process of an RC structure is demonstrated in detail in this training. An example scope is described below.

In  **PROTA[®]Structure**

- Introduction of the file system and welcome page
- How to start a new project & introduction to templates
- How to open an existing project
- Introduction of the user interface of **ProtaStructure**
- Detailed introduction of the Settings Center
- How to Insert Axes
- How to start modeling
 - The use of external reference drawing
 - DXF import
 - Step-by-step modeling of the members

- Detailed explanation of modeling and editing processes of the members
 - Modeling columns and managing column properties
 - Modeling slanted columns and wall members
 - Assigning different support types
 - Wall creation and managing wall properties
 - Modeling beams and managing beam properties
 - Modeling all types of slabs
- How to assign and manage loads
 - Member loading and Load Editor
 - Load Combinations, Load Cases, User-Defined Load Cases
 - FE Load Decomposition
 - Wind Loads
 - Snow Loads
 - Soil Lateral Loads
 - Seismic Loads and Parameters
- Storey operations
 - Inserting, replicating, and removing storeys
 - Editing storey parameters
 - Defining similar storeys
- Analysis with **ProtaStructure**
 - FE Floor Analysis
 - Building Analysis
 - How To Review the Analysis Results
- Foundation Design For All Types of Foundation
- How to Check the Modeling Errors
- How to Design Members with **ProtaStructure**
- Report Manager

All the processes and tasks listed above should be explained in detail, and all the key points that the user should pay attention for a smooth process should be emphasized.

In  **PROTA**Details®

- Producing all the model details
- Inserting custom sheets
- Creating formwork plans
- Column & Wall schedules



- Column elevation details
- Column application plans
- Beam elevation details
- How to use Design Library & Detail Library
- How to use intelligent rebars and quantification
- How to manage the engineering drawings (editing the drawings)
- How to export the created drawings

Private Training Set – #2

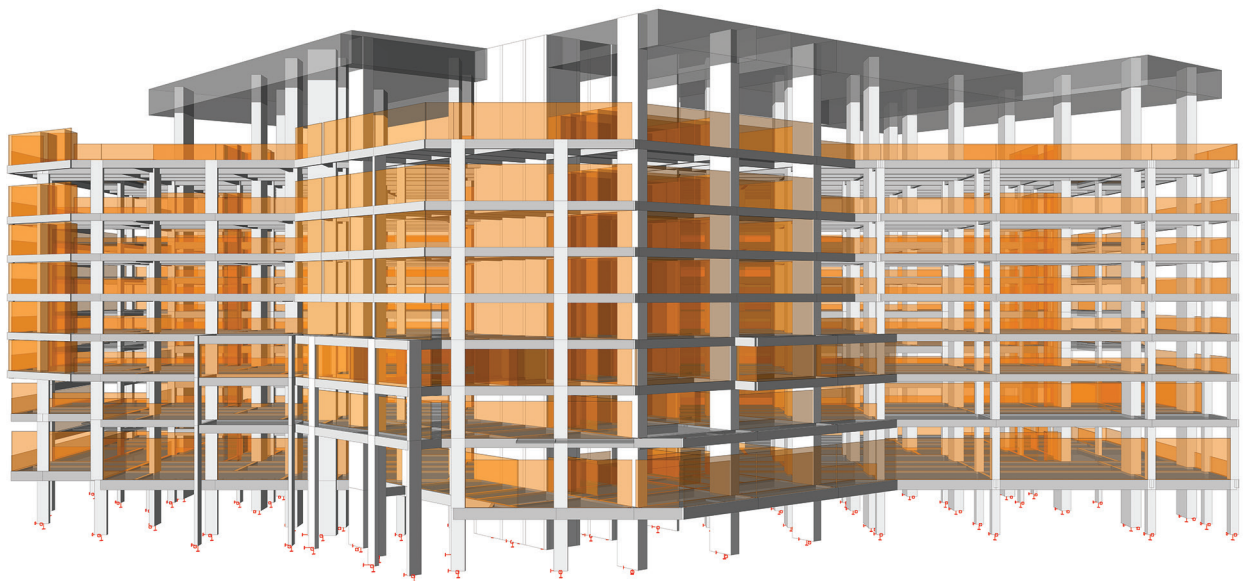
How to Design Steel Structures with the ProtaStructure Suite

Products: **ProtaStructure**, **ProtaSteel**, **ProtaBIM**

Private Training Set – #3

How to Design RC and Steel Structures with the ProtaStructure Suite

Products: **ProtaStructure**, **ProtaSteel**, **ProtaDetails**, **ProtaBIM**



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