



**IT & ENGINEERING SERVICES**

**TRAINING**

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# TEKLA STRUCTURES

## FUNDAMENTALS

### Introduction

- ▶▶ Overview of Tekla Structures
- ▶▶ Software demonstration

### Modelling

- ▶▶ Creating a new model
- ▶▶ Inserting gridlines and creating views
- ▶▶ Modelling steel and concrete structural members
- ▶▶ Editing structural members and connections
- ▶▶ Introduction to profiles

### Model Management

- ▶▶ Introduction to model management
- ▶▶ Introduction to Model Organizer
- ▶▶ Model checking procedures
- ▶▶ Phasing and lotting

### Maintaining your system

- ▶▶ Introduction to basic system customization
- ▶▶ Software installation and licensing
- ▶▶ Tekla Structures option settings
- ▶▶ Instruction on storing your customised settings in Firm folders

### Drawing production

- ▶▶ GA drawings

## General

- ▶▶ Best practises when contacting Tekla support
- ▶▶ Tekla Account creation process
- ▶▶ How to utilise Tekla User Assistance
- ▶▶ How to utilise Tekla Warehouse

# STEEL DETAILING

## Modelling

- ▶▶ Modelling steel members
- ▶▶ Using system components
- ▶▶ Modelling stairs, ladders and hand rails
- ▶▶ Cuts in steel members
- ▶▶ Importing and modelling around an IFC file created by other design software
- ▶▶ Instruction on how to publish a model to Tekla BIMsight
- ▶▶ Adding connections and bolt groups
- ▶▶ Foundation reinforcement
- ▶▶ Creating basic custom components
- ▶▶ Creating models with reference to external drawings

## Drawing production

- ▶▶ Drawing settings
- ▶▶ GA drawings
- ▶▶ Assembly and part drawings
- ▶▶ CE Marking role
- ▶▶ Numbering and marking up
- ▶▶ Editing drawings
- ▶▶ Cloning drawings
- ▶▶ Sub assemblies
- ▶▶ Generating fabrication drawings
- ▶▶ Drawing register

## Additional output and reports

- ▶▶ Cold rolled CAM files
- ▶▶ NC files and reports
- ▶▶ Sectional reports
- ▶▶ Bolt and plate reports

## Model management

- ▶▶ Additional information on Model Organizer and other model management functionality