



Tekla Structures

Day 1 & Day 2

Introduction

- ▶ Overview of Tekla Structures
- ▶ The program interface and basic

Commands

- ▶ Software installation and licensing
- ▶ Tekla Structures option settings
- ▶ Guidance on storing your customised settings in Firm folders

Modelling

- ▶ Creating a new model
- ▶ Inserting gridlines and creating views
- ▶ Modelling concrete objects, including wall panels, columns, beams, slabs and foundations
- ▶ Adding connections and bolt groups
- ▶ Modelling of basic foundations and their reinforcement
- ▶ Editing structural members and basic connections
- ▶ Introduction to profiles
- ▶ Cuts in steel members
- ▶ Modelling stairs, ladders and handrails
- ▶ Modelling curved members
- ▶ Importing and modelling around an IFC file created by other design software
- ▶ Working with Base Points
- ▶ System components
- ▶ Wall layout tool
- ▶ Floor layout tool
- ▶ Inserting reinforcement
- ▶ Cast units
- ▶ Working with Pours and Pour Objects
- ▶ Formwork

Home Exercise

Day 3 & Day 4

Model Management

- ▶ Clash Check Manager
- ▶ Numbering
- ▶ Model checking procedures
- ▶ Introduction to Model Organiser

Drawing production

- ▶ Introduction to drawings
- ▶ Drawing settings
- ▶ Generating GA drawings
- ▶ Cast unit drawings
- ▶ Reinforcement drawing tools
- ▶ Editing drawings
- ▶ Cloning drawings
- ▶ Bar bending schedules

Additional output and reports

- ▶ Basic Quantity take offs
- ▶ Introduction on schedules

General

- ▶ Best practices for contacting Support
- ▶ Trimble Identity account creation
- ▶ How to utilise Tekla User Assistance
- ▶ How to utilise Tekla Warehouse

Small Quiz

Overview

This course will provide you with the basic knowledge and skills to get you started with Tekla Structures. As the course progresses, you will develop your Tekla Structures abilities with a key focus on concrete models, working through a series of practical examples and exercises.

Our experts will teach you how to navigate and use the interface, model a variety of cast in place concrete elements and structures, insert reinforcement, generate drawings and reports, and how to set up and maintain your system, giving you the confidence and skills to be more productive and efficient.

Skill level

- ▶ Basic

Pre-requisites

- ▶ Some industry knowledge
- ▶ [First step video tutorials](#) (optional)
- ▶ [Tekla Campus](#) (optional)

Training method available

What's next?

- ▶ Advanced training

