

AECOSim v8i Fundamentals for Rail

Objective:

Using AECOSim v8i will allow the user to create, edit and review examples related to the rail industry. It will also enable the user to attach data, annotate and extract drawings, reports and schedules from the model.

Benefits:

At the end of the course students will be able to:

- Create, modify and review 3D models
- Create and output Schedules from the model
- Apply and review information attached to the different elements
- Have an understanding of BIM within AECOSim
- Produce dynamic sections and output drawings
- Produce alternative BIM output formats

Course Length:

Two days - 9.30am to 4.30pm

Main Topics:

- Introduction to the AECOSim application and interface
- Floor manager with grids versus ACS planes
- Create details from 2D data
- Create outlines manually from scanned point data
- Modelling and editing 3D data
- Creating surfaces
- Setting up family and parts
- Drawing with parts and applying parts to existing geometry
- Working with Spaces using floor manager and grids
- Placing and editing slabs
- Laying out single and compound walls
- Wall relationships and editing walls
- Creating new catalogue items
- Creating irregular section and multi skinned elements
- Making openings and adding protrusions
- Doors, windows and other parametric symbols
- Stairs, railings and escalators
- Steel and concrete structures
- Structures aligned to track
- Compound cells
- Dynamic sections versus extraction manager
- Outputs including IFC, iModel and 3D pdf

Course Prerequisites:

A fundamental knowledge of 3D in MicroStation and a working knowledge of Accudraw and its shortcuts.