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UNITED CADD SERVICES

SYNCHRO Pro Course Syllabus

(Duration 40 Hours)

Introduction to 4D & Synchro

- Customizing the Workspace
- Discovering the screen layout
- Opening a project
- 3D window navigation
- Using the view cube
- Setting up Auto Save

Importing

- Supported file formats
- Preparing 3D models for import
- Importing 3D files
- Importing a schedule from Microsoft Project

Tasks

- Creating a task manually
- Editing task duration
- Linking objects to task
- Assigning objects to multiple tasks
- Which task an object is assigned to
- Selecting resources assigned to a task

Selecting, Viewing, and Grouping Resources

- Selecting objects
- Grouping objects within a resource
- Creating auto-matching rules
- Viewing the model with system use profiles
- Creating your own custom use profiles
- Creating cutting planes
- Saving your views with viewpoints

Scheduling

- Formatting the date display
- Understanding Focus Time and Data Date
- Working with the Gantt display
- Model-based scheduling
- Creating a baseline
- Baseline Vs. Actual
- Synchronizing a schedule

Objects and Animations

- Adding equipment to a project
- Copying and pasting objects
- Moving and rotating objects
- Snapping to elements with the Manipulator

- Creating a textured pane
- Creating 3D objects
- Adjusting 3D object properties
- Adding user fields
- Creating an animation
- Setting up Turntable interpolation
- Creating 3D paths
- Synchronizing 3D objects

Subdividing Objects

- Subdividing by slice
- Subdividing multiple objects
- Subdividing by user slice

Exporting Information

- Printing from Synchro
- Exporting to FBX
- Exporting to 3D PDF
- Saving images
- Exporting to AVI

Test & Quizzes

Prerequisites

- Knowledge of any 3D/BIM software like Revit, SketchUp, ArchiCAD, Vectorworks, Microstation, Rhino, Tekla
- Knowledge of any Project Management software like M.S.Project, Primavera, Powerproject