

Synchro 4D & 5D Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

Synchro 4D & 5D Training by Multisoft Systems is designed for construction professionals, planners, and project managers aiming to master digital construction planning and management. This comprehensive course equips participants with the knowledge to integrate 3D design models with 4D (time) and 5D (cost) data, allowing for enhanced project visualization, planning, and control.

4D

Module 1: Introduction

- ✓ Introduction
- ✓ User Interface
- ✓ Advance Options

Module 2: Creating model and filtering

- ✓ Getting Started
- ✓ Importing Schedule
- ✓ Importing 3D Model
- ✓ Filters - I (Tasks)
- ✓ Filters - II (Tables)
- ✓ Filters - III (3D Model)
- ✓ Practice Exercise

Module 3: Scheduling and resources management

- ✓ Basic Scheduling
- ✓ Updating Schedule
- ✓ Linking Tasks in Schedule
- ✓ Assigning Resources to Tasks
- ✓ Assigning 3D Models to Tasks
- ✓ Practice Exercise

Module 4: Profile and resources to task command

- ✓ Appearance Profile
- ✓ Resources to Tasks Command
- ✓ Practice Exercise

Module 5: Creating a sub-division and tasks to equipment

- ✓ Sub-Division
- ✓ Addition and Transformation of Equipment resource
- ✓ Assigning Tasks to Equipment
- ✓ Practice Exercise

Module 6: Creating path

- ✓ How to make a 3D Path
- ✓ Editing 3D Path
- ✓ 3D Path Creation
- ✓ Practice Exercise

Module 7: Animation and rendering

- ✓ Camera Animation
- ✓ Focus Time Animation
- ✓ 3D Properties Animation
- ✓ Rendering Animation
- ✓ Report from Animation

5D

Module 1: Fundamentals of 5D in Synchro

- ✓ Overview of cost estimation and tracking
- ✓ Linking quantities to tasks and resources
- ✓ Importing cost data (e.g., Excel, databases)
- ✓ Model-Based Quantity Takeoff
- ✓ Extracting quantities from 3D models
- ✓ Assigning unit costs to resources and tasks
- ✓ Cost Estimation and Control

- ✓ Creating cost-loaded schedules
- ✓ Tracking budgeted vs. actual costs
- ✓ Generating earned value analysis (EVA) reports

Module 2: Welcome to BIM 5D Quantity Take-Off using Revit, Navisworks and Dynamo

- ✓ Planning tables
- ✓ Create parts to improve computations
- ✓ Parts computations
- ✓ Codes and Descriptions
- ✓ Export tables

Module 3: Introduction to Dynamo

- ✓ Export tables from Dynamo
- ✓ Export data to Excel
- ✓ Dynamo player
- ✓ Export to IP-3

Module 4: Introduction to Navisworks

- ✓ Export to Navisworks from Revit
- ✓ Catalogs and custom resources
- ✓ Virtual computations
- ✓ Optimize workflow
- ✓ Export quantities from Navisworks