

Coordinate Systems within AEC and Infrastructure

COURSE DESCRIPTION

This course is designed for all different level users of AutoCAD, Revit, InfraWorks, Navisworks, Civil 3D, Map 3D and Forma, who want to learn the core features and functionalities of collaborating with these different software solutions. This course covers the collaboration tools included in the Autodesk AEC Collection that allows you to share, manage and merge Revit data with Civil 3D, AutoCAD and InfraWorks. It includes an explanation of all the different coordinate systems in each software and how to handle them when it comes to combining the data in Navisworks or Forma. Included in the course is how to share a Civil 3D Surface with a Revit model, how to insert a Revit model into an InfraWorks model and how to combine all the models into Navisworks, fully coordinated.

COURSE MODULES

- Introduction to Coordinates in the Different Disciplines
- Understanding Cartesian Coordinates
- Understanding Geographical Coordinates
- Setting Coordinates and Units
 - Revit, AutoCAD, Civil 3D and InfraWorks
- Inserting a Revit Model into InfraWorks
- Inserting a Civil Model into InfraWorks
- Creating a Revit Topo Solid (Surface) from a Civil Model
- Creating a Coordinated Navisworks Model

OTHER INFORMATION

Prerequisites

Experience with Civil 3D, AutoCAD Map 3D, Revit, InfraWorks, Navisworks or AutoCAD is essential. A good understanding of the Microsoft Windows environment is required.

Course Duration

1 Day (as a guideline)

Next Steps

Please contact us.



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