



diatec

Autodesk Infraworks Essentials

1 Day Course

> Objective of Course

The primary objective of this course is to teach students the essentials of conceptual design and visualization using Autodesk Infraworks.

> Agenda

Students learn how to use Autodesk Infraworks preliminary & conceptual design software to create to visually rich proposals for site, area planning & infrastructure projects. This course offers a hands-on exercise representing a real-world design scenario.

During the course delegates will cover:

- **Model existing infrastructure** - Use 2D CAD, GIS, Building Information Modeling (BIM), and raster data.
- **Use Model Builder** - Create base models using public data from Bing Maps, StreetMAP & SRTM 90m DEM data
- **Import detailed models** - Incorporate detailed models from AutoCAD® Civil 3D®, AutoCAD® Map 3D, and other software.
- **Stylize infrastructure models** - Depict the local environment more realistically.
- **Work in 3D** - Show proposed roads, water, and land features.
- **Overlay GIS data** - Create 3D thematic maps to help inform decisions.
- **Manage infrastructure proposals** - Create and manage multiple alternatives in a single model.
- **Communicate visually rich infrastructure proposals** - Shift between design proposals and evaluate alternatives from any viewpoint, and capture rendered images or recorded videos.

The above may be varied to suit client's preferences and requirements

> Who Should Attend?

Technicians, architects, planners & engineers who undertake preliminary design and wish to create conceptual 3D models and visualisations for site, area planning & infrastructure projects. All elements of the course except Model Builder are appropriate for Infraworks in Infrastructure Design Site users. Model Builder requires Infraworks 360.

> Prerequisites

Students should have a working knowledge of a CAD application such as AutoCAD and of Microsoft® Windows® Vista, XP, 7 or 8.

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