



# AutoCAD Civil 3D 2010 Wind Farm Site Development Works

**Course Duration:** 2 days  
**Award:** Autodesk Official Certificate in AutoCAD Civil 3D 2010  
**Course Fee:** € 595 per person  
**Course Duration:** 2 days\*

## Course Description

This intermediate-level course covers the use of AutoCAD® Civil 3D® software as it applies to the design of site development works for wind farms, including how to create and analyze a surface for peat depth and slope stability, produce a risk assessment plan for route selection, develop the site, model roads, create profiles and sections and import and export data, design hardstand areas for wind turbines including grading. Assess zone of visual interest.

## Objectives

The primary objective of the course is to familiarize students with the concepts and application of the essential functions of AutoCAD Civil 3D as they apply to wind farm site development works design. After completing this course, students should be able to:

- Create, edit, and analyze surfaces
- Create a volume surface
- Create and edit alignments
- Create assemblies, corridors, and cross-sections and calculate corridor volumes
- Zone of Visual Interest
- Create a site, profiles, and cross-sections
- Create a grading solution for hardstand areas
- View surfaces in 3D
- Import Autodesk® Land Desktop data and export Autodesk Civil 3D data

## Who Should Attend:

The target audience for this class includes experienced Civil Engineers, technicians or draughting personnel who are involved in Wind Farm site development. Experience working with AutoCAD Civil 3D or completion of the AutoCAD Civil 3D Road Design Essentials course is a prerequisite to attending this course.

## Course Content:

### Surface Modeling

- Creating a Surface from LandXML file
- Editing and Analyzing a Surface
- Contours
- Adding Masks, Borders, and Contour Labels
- Viewing a Surface in 3D

### Site Development

- Risk analysis
- Route selection
- Zone of visual interest

### Road Design

- Creating and Editing Alignments
- Creating Profiles
- Creating Sections
- Creating and Editing Layout Profiles

### Corridor Modeling

- Creating a Corridor Model
- Creating an Assembly
- Calculating Corridor Volumes
- Creating Corridor Cross-Sections
- Editing Corridor Sections

### Grading

- Creating Grading Criteria
- Creating a Grading Object
- Creating a Grading Solution from Multiple Objects

## Why choose Amicus Technology Training?

- Quality certification - We are an authorized Autodesk, Bentley & City & Guilds training and exam centre
- Personal Attention ensured - Maximum 8 candidates per class
- Follow-on telephone support included in all courses
- We provide a range of courses to facilitate the candidate moving from an introductory level to advanced AutoCAD or specialist areas e.g. Architecture, Civil Engineering.
- We are constantly updating our courses to enable the candidate to avail of the latest software
- The West of Ireland's only Architecture, Civil Engineering & GIS authorized Autodesk reseller

**Amicus Technology Ltd.,  
 Slieveaun, Clarinbridge, Co. Galway**

Tel: 091 776122

Fax: 091 796866

Email: [info@amicustec.ie](mailto:info@amicustec.ie)

[www.amicustec.ie](http://www.amicustec.ie)

