Water Distribution MoDeling anD ManageMent

WaterCad – 28 Hours

Course description

WaterCAD® is an easy-to-use hydraulic and water quality modeling solution for water distribution systems. Utilities, municipalities and engineering firms trust WaterCAD as a reliable, resource-saving, decision-support tool for their water infrastructure.

Course duration

28 hours

Objectives

Upon completion this course the delegates will be able to

- **Navigate the WaterCAD user interfaces**
- **Use the fundamental features of WaterCAD**
- **Use the precision drafting tools in WaterCAD to develop accurate technical drawings**
- **Present designs in detailed and visually impressive way**

Who should attend?

New users of WaterCad

Prerequisites

Delegates should have a working knowledge of Microsoft Windows. Know ledge of Hydraulics engineering Design

Course Outlines

Syllabus / Training Outline:

WaterCad Duration: 28 Hours

Module 1:

- Start new project
- Save and edit project information
- Adjust project units and properties
- Overview of menu taps

- Understand Plan view
- Understand Background layers

Module 2:
- Understand Draw menu
- Understand Element Symbology
- Understand user notification
- Use Water CAD help.
- Analysis, selected items
- Components, general discussion

Module 3:
- View, quick start.
- Tools, importance and main part.
- Report, understand the items

Module 4: (Drawings and Data)
- DXF files.
- Demand.
- Population analysis.
- Patterns.
- Factors.

Module 5:
- Pump definition.
- Preparing the output file for your project, produce files in several extensions, and arrange the reports.

Module 6: (Working in project)
- Understand your project type.
- Understand your geometry.
- Assumption of our project.
- Draw main elements.
- Import drawings.
- Assign data and information.
- Checks and optimizations.
- Validate and run.

Module 7:
- Optimizing Capital Improvement Plans with Darwin Designer
- Optimizing Pump Operations
- Optimizing Pump Schedules Using Darwin Scheduler
- Presenting Your Results
- Importing and Exporting Data
- Menus
- Technical Reference