

## CADWORX PLANT COURSE CONTENT – 3 DAYS

### Day 1 - Morning

#### **CADWorx Structure**

Introduction and overview of primary features in CADWorx Structure, with hands on modeling of a pipe rack structure. *A full 2-day CADWorx Structure course is also available.*

#### **CADWorx Equipment**

Introduction and overview of primary features in CADWorx Equipment, with hands on modeling of sample pumps and a heat exchanger.

### Day 1 - Afternoon

#### **CADWorx Plant Specification Editor -**

Introduction and overview of the CADWorx Plant Specification Editor program. Covers creating Catalog and Project files, transferring data to and from these files, creating new specifications and components, setting up specification schedules, material assignments, and creating intelligent long description formats.

#### **CADWorx Plant -**

Introduction to CADWorx Plant. Covers setting up a new project and an overview of the drawing environment. Begin creating a piping model with the configured environment using the pipe router. Introduces modeling relationship between CADWorx Plant and CADWorx Equipment.

### Day 2 - Morning

#### **CADWorx Plant**

Covers modeling practices and tools while continuing to create a piping model. Includes setting up and Line Number System, component edits, valve topworks, auto connect, Line View palette and line isolations, global edits, and additional pipe routing functions.

### Day 2 – Afternoon

#### **CADWorx Plant**

Continue creating a piping model using advanced modeling functions and exploring additional CADWorx palettes. Covers instrumentation, assemblies, insulation, generic nozzles, custom valve overlays, generic components, and database creation. Dives further into the Specification editor for customized components. Introduces pipe supports and the creation of custom pipe supports.

### Day 3 - Morning

#### **CADWorx Plant**

Covers Bill of Material generation and setup. Overview of drawing creation tools and utilities including the View Box. Utilize the Discontinuity Palette to troubleshoot disconnects, the Clash Management palette to resolve clashes, and the generation of Center of Gravity reports.

### Day 3 – Afternoon

#### **CADWorx Plant**

Hands on creation of User Shape components, PCF file generation, modeling bent piping and tubing, and an overview of I-Configure for CADWorx followed by generating Iso's using Isogen. *Any leftover time is for student Q/A, instructor assisted practice or reviewing topics.*