

### Day 1 - Morning

#### **CADWorx Structure Editor -**

Introduction and overview of the CADWorx Structure Editor program. Covers creating Catalog and Project files, transferring data to and from these files, and creating new structural libraries and members.

#### **CADWorx Structure -**

Introduction to CADWorx Structure. Covers setting up a new project and an overview of the drawing environment. Begins by creating a Structural grid and adding columns, beams, and base plates to create a pipe rack model.

### Day 1 – Afternoon

#### **CADWorx Structure –**

Covers placing bracing, gusset plates, pier foundations, and anchor bolts to finish the pipe rack model. Begin modeling a larger structure for a Heat Exchanger. Practice adding primary structural members with alternative methods including at specific elevations, and for secondary framing. Dive deeper into modeling bracing and gusset plates. Learn how to add grating, foundation slabs, and walls.

### Day 2 – Morning

#### **CADWorx Structure –**

Continue with the Heat Exchanger structure by placing and modifying assemblies, including handrails, stairs, and ladders. Create openings for the railing and grating, then add end plates to columns to finish the Exchanger structure. Create a smaller structure for the Pump House model that covers adding haunched and tapered members, metal decking, and creating a pile system. Learn how to set up a live database and synch the model to it.

### Day 2 – Afternoon

#### **CADWorx Structure –**

Covers an overview of drawing creation utilizing drawing templates. Looks at plan, elevation, single line steel, isometric, and detail drawings. Generate a Bill of Material, dimension drawings, generate Center of Gravity points and reports, and export the drawing to CIS/2 formats. Goes over the Selection Filter, and adds exercises for creating cylinder stairs, spherical stairs on a vessel, as well as adding Connections to columns and beams.