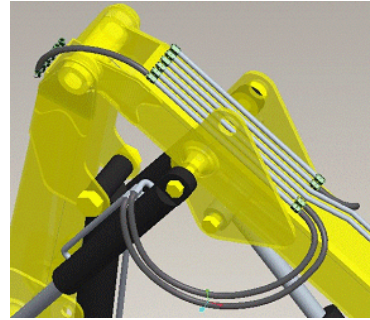


Piping using Creo Parametric

Overview

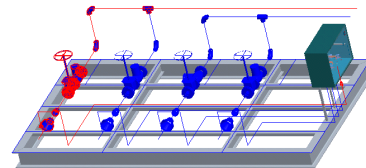
Course Code	TRN-3410-T
Course Length	3 Days

In this course, you will learn how to manually create (non-specification driven) mechanical piping designs using Creo Parametric. This includes learning how to configure pipelines, how to route pipelines, and how to insert pipe fittings such as valves and reducers. You will also learn how to create specification driven industrial piping designs using Creo Parametric. This includes learning how to use schematic diagrams created with Creo Schematics to drive 3-D industrial piping designs created within Creo Parametric. You will learn how to document piping designs by creating drawings that include BOM tables, pipe bend tables, and engineering information. You will also learn how to export ISOGEN format files for creating pipeline, spool and systems isometric drawings. At the end of each module, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.



Course Objectives

- Understand the manual piping design process
- Understand the specification-driven piping design process
- Create piping assembly structures
- Configure and route pipelines
- Move and modify pipelines
- Create pipe solids and fabricate pipes
- Configure and insert fittings
- Create piping report information
- Create piping drawings
- Configure a piping specification database
- Configure project specific data files
- Create specification-driven pipelines
- Create schematic driven pipelines



Prerequisites

- Introduction to Creo Parametric or equivalent experience

Audience

- This course is intended for engineers, involved in the 3-D routing of mechanical piping systems and industrial piping systems
-

Agenda

Day 1

Module	1	Introduction to Piping
Module	2	Creating Piping Assembly Structures
Module	3	Configuring and Routing Pipelines
Module	4	Moving and Modifying Pipelines
Module	5	Configuring and Inserting Fittings

Day 2

Module	6	Creating Solid Pipeline Models
Module	7	Gathering Piping Information
Module	8	Creating Piping Drawings
Module	9	Specification Database Overview
Module	10	Setting Up Specification Databases: Piping
Module	11	Setting Up Specification Databases: Fittings

Day 3

Module	12	General Master Catalog Files
Module	13	Configuring Project-Specific Data Files
Module	14	Specification-Driven Routing and Inserting Fittings
Module	15	Using Creo Schematics Process and Instrumentation Diagrams Data
Module	16	Schematic Driven Pipeline Modeling
Module	17	Using ISOGEN PCF Data
