goengineer

TRAINING AGENDA

SOLIDWORKS Routing: Electrical

OVERVIEW

CLASSROOM LENGTH: 2 days / **INSTRUCTOR-LED ONLINE LENGTH:** 3 days

PREREQUISITES: We recommend completing the SOLIDWORKS Essentials course.

DESCRIPTION: The SOLIDWORKS Routing Electrical course explains how to create, edit, and manage electrical routes, from the critical routing components and their design requirements to the sub-assemblies that contain the routes.

LESSON 1:
FUNDAMENTALS OF ROUTING

- What is Routing?
- Routing Setup
- General Routing Settings

LESSON 2:
BASIC ELECTRICAL ROUTING

- Basic Electrical Routing
- Adding Routing Components
- Start by Drag and Drop Connector
- Auto Route
- Save to External File

LESSON 3:
ROUTING WITH CLIPS

- Routing with Clips
- Routing Through Existing Clips
- Adding Clips While Auto Routing
- Editing a Route
- Working with Clips
- Splitting a Route
- Adding a Splice

LESSON 4:
ELECTRICAL ROUTING COMPONENTS

- URouting Library Parts Introduction
- Electrical Routing Library Parts
- Libraries
- Routing Component Wizard
- Routing Component Attributes
- Electrical Libraries

LESSON 5:
STANDARD CABLES

- Using Standard Cables
- Standard Cables Excel® File
- Modifying Standard Cables
- Creating a Standard Cable
- Routing Templates

LESSON 6:
ELECTRICAL DATA IMPORT

- Importing Data
- Routing Library Manager
- From/To Lists
- Route Properties
- Route Guidelines
- Using Guidelines and Clips

LESSON 7:
ELECTRICAL DRAWINGS

- Route Flattening and Detailing
- Annotation Flattening
- Flatten Route
- Manufacture Flattening

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SOLIDWORKS Routing: Electrical

LESSON 9:

ELECTRICAL CONDUITS

- Electrical Conduits
- Rigid Conduits
- Orthogonal Routing with Auto Route
- Electrical Data in Conduits
- Manual Sketch Routing
- Flexible Electrical Conduit