

Course: SOLIDWORKS Electrical 3D

MFG

Description

Learn how to create cables & Wiring in 3D. This course is focused on 3D design and teaches you how to optimise your drawings and designs for manufacturability so you can maximise quality, avoid rework and decrease time to market

Training objectives

On completion of this course you will have a clear understanding of the skills, tools and concepts available which can then be applied to a range of industry design challenges.

Prerequisites

Electrical design experience.

Experience with Windows Operating System.

Completed the SOLIDWORKS Essentials training course, or equivalent.

At least one month using SOLIDWORKS software.

Skills you will acquire

Able to link 2D data to 3D models. Able to route Wires & Cables. Able to create Electrical Cabinets.

Who should attend

Electrical Engineers.

Delivery mode



Face-to-face



Virtual Classroom

Duration



1 day

Course Outline

Lesson 1: Assembly Creation

- What are Assemblies?
- Stages in the Process
- Unarchiving a Project
- SOLIDWORKS Assembly

Lesson 2: Cabinets, Ducts, Rails

- Cabinets, Ducts, Rails
- Stages in the Process
- Inserting Components
- Inserting Rails
- Inserting Ducts

Lesson 3: Component Intelligence

- What is a component?
- Stages in the Process

Lesson 4: Insert Components

- Insert Components
- Stages in the Process
- Align Components
- Inserting Terminals

Lesson 5: Routing Wires

- Routing Wires
- Stages in the Process
- Routing Path
- Route Wires

Lesson 6: Routing Cables

- Routing Cables
- Stages in the Process
- Route Cables
- Set Origin Destination of Cables by Location