

Training: SOLIDWORKS Electrical 3D (1 day)

Prerequisites: Completion of SOLIDWORKS Essentials Training and Advanced Assemblies is recommended

Description: This class is designed for users of SOLIDWORKS Electrical 3D to understand how to place components and route wires. Topics covered are: Adding a Cabinet, Inserting Components in the Cabinet, Adding Door Components, Propagating 2D changes to 3D, Routing Wires

Introduction

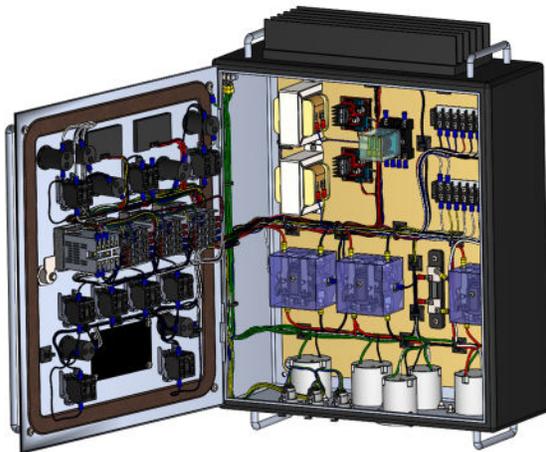
- About This Course

Lesson 1: Assembly Creation

- What are Assemblies?
- Unarchiving a Project
- Opening an Existing Project in SOLIDWORKS
- The Electrical Project Documents
- SOLIDWORKS Assembly
- Opening a SOLIDWORKS File from the Browser

Lesson 2: Cabinets, Ducts, Rails

- Cabinets, Ducts, Rails
- Adding a Cabinet
- Stages in the Process
- Inserting Components
- Naming
- Inserting Rails
- Mate References
- Change Rail or Duct Length
- Inserting Ducts
- Mates

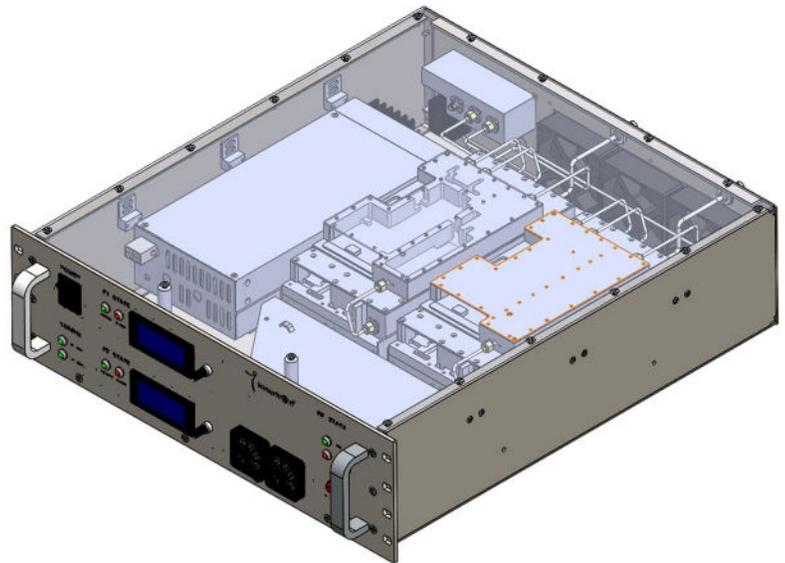


Lesson 3: Component Intelligence

- What is a component?
- Component Intelligence
- The Electrical Component Wizard
- Stages in the Process
- Define Faces
- Create Mate Reference
- Create Connection Points
- Creating Cable Connection Points

Lesson 5: Routing Wires

- Routing Wires
- Routing Path
- Sketch Name
- Route Wires
- 3DSketch Route
- Routing Parameters
- Wire Sketches
- SOLIDWORKS Route
- Wire Segregation



Lesson 4: Insert Components

- Insert Components
- Align Components
- Inserting Terminals

Lesson 6: Routing Cables

- Routing Cables
- Creating Cable Connection Points
- Route Cables
- Set Origin Destination of Cables by Location