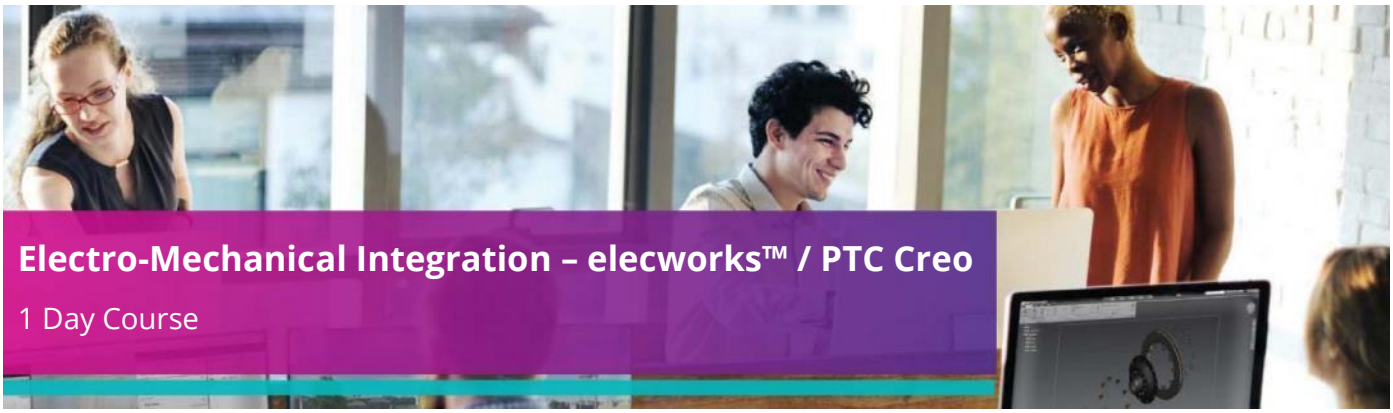

Electro-Mechanical Integration – elecworks™ / PTC Creo

1 Day Course

Who Should Attend?

This course is aimed at electrical and mechanical engineers.

Objectives

The training course is intended to give an overview of the procedures required to have an electrical and mechanical interface between elecworks™ & PTC Creo. The course is intended for electrical engineers who have attended a foundation course on elecworks™ and mechanical engineers who have attended a PTC Creo foundation course.

Agenda

Note: We normally train on the latest version.

During the course delegates will cover:

Agenda Topics:

- Introduction to the course
- Create part of a schematic within elecworks™
  - Defining the wire types within elecworks™
  - Draw part of a circuit
  - Assigning part information
  - Draw wires & wire number
  - Understanding the Component tree
- Parts Database
  - Component pin connections & their relevance
  - Associating a 3D part or assembly
- elecworks™ within PTC Creo
  - Opening and existing elecworks™ project
  - Creating a new elecworks™ project within PTC Creo
  - Real-time bi-directional data synchronisation
  - Unlinking an elecworks™ component from a PTC Creo part
- elecworks™ within PTC Creo (continued):
  - Creating a new PTC Creo assembly within the elecworks™ project
  - Changing the display configuration
  - Inserting a linked PTC Creo part from an existing elecworks™ component
  - Inserting a linked elecworks™ component from an existing PTC Creo
  - Accessing the parts database
    - Associating a 3D part or assembly
    - Downloading a 3D part from the ECP

(Agenda continued on next page)

Agenda Topics (continued):

- Routing
  - Defining a Wire/Cable Routing Path
  - Understanding the wire routing bend radius utilised
  - Automatic Routing wires & cables
  - Updating wires and cable lengths
  - Understanding & defining origin/destinations of cables
  - Wire/cable connections list
- Making a 3D part electrically intelligent
  - Defining the pin connections of an existing 3D part
  - Defining the mating surfaces of an existing 3D part

The above may be varied to suit client's preferences and requirements.

Qualifications

On completion of the course you will be presented with a Cadline Training Certificate.

Customer Testimonial

"The trainer was excellent and he was able to tailor the instruction to suit all of the attendees needs. He answered all of our questions whilst still keeping to the course syllabus. All in all a very good course."

Tony Gunter, Highways and Transportation Officer at Stockport Council