cadmicro SOLIDWORKS TRAINING

ENABLING INNOVATION
CHALLENGE THE STATUS QUO

SOLIDWORKS WELDMENTS

PREREQUISITES	LENGTH	DESCRIPTION
▪ SolidWorks Essentials or equivalent experience.	1 Day	▪ Weldments teaches you how to create welded structures with standard structural members. Weld beads are also covered.

▶ WELDMENTS FEATURES

- Weldments
- Structural Members
- Groups vs. Structural Members
- Adding Plates and Holes
- Gussets and End Caps
- Using Symmetry
- Advantages of a Multibody Part
- Limitations of a Multibody Part
- Exercise 1: Sign Holder
- Exercise 2: Weld Table
- Exercise 3: Suspension Frame
- Exercise 4: Evaporator Support

▶ CONFIGURING & DETAILING WELDMENTS

- Weldment Configurations
- Post-Assembly Machining Features
- Weldment Drawings
- Drawing Views of Individual Bodies
- Representing Welds
- Exercise 8: Detail Picnic Table
- Exercise 9: Representing Welds

▶ WORKING WITH WELDMENTS

- Managing the Cut List
- Cut List Item Numbers
- Accessing Properties
- Cut List Properties Dialog
- Structural Member Properties
- Adding Cut List Properties
- Bounding Boxes in Weldments
- Options for Generating Cut List Items
- Custom Structural Member Profiles
- Defining Material
- Creating Custom Profiles
- Standard or Configured Profiles
- Inserting Existing Parts
- When to Use an Assembly
- Exercise 5: Weld Table Cut List
- Exercise 6: Picnic Table
- Exercise 7: Insert Part

▶ WORKING WITH BENT STRUCTURAL MEMBERS

- Working with Bent Structural Members
- 3D Sketching
- Merge Arc Segment Bodies
- Exercise 10: Chair Frame
- Exercise 11: Bent Tubing, Sheet Metal, and Assemblies