SOLWOR - SolidWorks

- Progettazione grafica - Grafica

Durata:	Lingue:	Certificazione:
4 Giorni	**Italiano**	**-**

Descrizione del corso

The aim of the course is to enable participants to make the best use of SolidWorks potential.

Programma

1. Brief introduction and interface
• Description of solid modelling environment
• Interface: toolbars and icons
• Views
• Graphic manipulation: zooming and panning
• Settings: system and document
• Creating templates

2. Sketches and parameterization techniques
• Sketching: primitive 2D, relations e parameters
• Modifying sketches and smart dimensions

3. Modelling and changes
• Basic features: linear extrusion, revolved extrusion, drafts
• Detailed features: changes, parameters, sketch and definition
• “Multiplication” features: circular, linear, symmetrical patterns
• Reference geometry: creating planes and axes
• Evaluation of mass properties

4. Assembly and project (bottom-up, top down)

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- Methods: bottom-up and top-down, differences and advantages
- Transposition methods in the context of an assembly
- Constraints: traditional and smart mates
- Degrees of constraint and freedom
- Changes: standalone and in the context of an assembly
- Hiding and suspension
- Moving and rotating components

5. Drafting and drawings
- Custom formats
- Automatic generation of views
- Custom views
- BOM and balloons
- Parameters and dimensions

6. Advanced features of modelling
- Import Export DWG e DXF
- Multibody parts: creation and techniques
- Configurations: manually and using spreadsheet
- Curves: spiral helix
- Equations: managing dimensions with mathematical operations

7. Making and modelling sheet metal
- Sketching in sheet metal parts
- Sketched bend features
- Flatten surface feature
- Creating tooling split
- Exporting drawings to DXF

8. Modelling surfaces
- Advanced features of surface modelling: loft
- Converting surfaces to solids
- Brief overview of rendering