



**SOLIDWORKS**  
Visualize  
Course Outline

**SOLID**  **PERTS**  
by solidxperience

*ENSURE YOUR SUCCESS IN 3D DESIGN WITH SOLIDWORKS*

## Visualize TRAINING INDEX

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**Course Objectives:** At the end of the course, the student will know the capabilities of the software and will be able to use the features.  
**Training Course:** Training is given in class at SolidXperts or online where each student has access to a workstation or to an online version.  
**Methodology:** Training is based on case studies demonstrated by the instructor. At the end of each lesson, time will be given for exercises.  
**Competences Evaluation:** During the class work, the instructor will show the exercises and explain the solutions to the entire class.  
**Instructor:** SolidXperts trainers are Certified SOLIDWORKS Instructors (CSWI) and authorized by Emplois Québec.  
**Course Materials:** One or more training manuals are included with the training course (Exceptions apply to teachers and students from educational institutions).  
**Attestation:** A certificate will be given to the student at the end of the course to attest the successful completion of the requirements for the course.

## SOLIDWORKS Visualize – 2 Days (14h)

### 1. CAD to SOLIDWORKS Visualize

- Rendering from CAD
- Importing to Visualize
- Render Selection
- Denoiser
- Appearances
- File Libraries
- Scenes
- Rendering

### 2. Import Settings and Appearances

- Import Settings
- Appearances
- Project Description
- Part Grouping
- Structure and Organization
- Selection Tools
- Object Manipulation
- Split
- Copy and Paste
- Appearance Types
- Textures
- Texture Mapping
- Appearance Type Parameters
- Merge Parts

### 3. Decals

- Decals
- Decal Feature
- Decals Depth
- Decal Mapping
- Blend Texture
- Multi-Layer Decal Process

### 4. Cameras

- Cameras
- Aspect Ratio
- Keep Above Floor
- Perspective
- Camera Orientation
- Grid Overlay
- Depth of Field
- Filters

### 5. Backplates, Environments and Lights

- Scenes
- New Cutting Plane
- Backplates
- Environments
- Lights

### 6. Productivity tools

- Multiple Views
- Render All Cameras
- Time Limit Rendering
- Configurations
- Exports
- Render All Configurations
- Render Queue
- Visualize Boost

→ Continued...

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*SOLIDWORKS Visualize (continued...)*

**7. Animation and Grouping**

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- Animations
- Groups
- Animation Output
- Motion Blur
- Keyframe Animation

**8. Camera animations**

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- Camera Animations
- Camera Movement with the triad
- Keyframe Properties

**9. Animating Appearances, Scenes**

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- Appearance and Scene Animations
- Scene Animations

**10. Alternative outputs**

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- Alternative Outputs
- Turntable
- Interactive Images
- Panorama View
- Sun Study
- 360 Camera

**11. CAD to SOLIDWORKS Visualize**

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- Simulated physics
- Shake simulation
- Simulation manager
- Simulation states
- Vehicle simulation

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