SOLIDWORKS
SOLIDXPERTS
Training

Course Outline

SOLIDXPERTS
by solidxperience

ENSURE YOUR SUCCESS IN 3D DESIGN WITH SOLIDWORKS

TABLE OF CONTENT - SOLIDXPERTS

WWW.SOLIDXPERTS.COM

SOLIDWORKS Performance – 2 days (14h)

Prerequisites : This training is intended for users with at least 1 year of experience
This course is given using digital files only (no physical book is provided)
This training is only available remotely

1. Structure of Default Templates

- What aspects can influence file size?
- Impact of Tessellation Quality
- Number of configurations in a file
- SOLIDWORKS last saved version
- Oldest features in a SOLIDWORKS file
- Number of in context features

2. Work Methods

- Number of fixed components in an assembly
- Using the flexible feature
- Assembly Features
- Temporary update holder from external references
- Number of parts per assembly level
- Parts rebuild time
- Number of features in a part
- Parts in simple version
- Errors in Solid Bodies
- Quantity of errors in features
- Quantity of reference errors
- Use of the freeze bar

3. Managing Imported Files

- Number of appearances in file
- Number of bodies in part
- Number of surfaces in a part
- How to reduce file size of imported files
- How to manage libraries from "McMaster, Parker etc."

4. Workflow of Different Quick Open Modes

- Large design review
- Lightweight components
- SpeedPack
- Detailling mode
- Open an assembly in simple version

5. Drawing Performance

- Impact on drawing performance
- View in draft quality vs. High quality
- Impact of Section Views
- Line format
- Automatic view updates
- Quick Open Tips
- Impact of Sketches in a Drawing
- Impact of configurations in views

SPECIFIC NOTE FOR THIS TRAINING

*For reasons of convenience, collaboration and interactivity and also to allow you to obtain concrete examples on your workstations and with your files, **this training is only available remotely.***

Course Objectives : At the end of each course, students will know the capabilities of the software and will be able to use the learned features.
Training Course : Training is given in class at SolidXperts or online where each student has access to a workstation or online product version.
Methodology : Training is based on case studies demonstrated by the instructor.
Competences Evaluation : During the classwork, the instructor will correct the exercises on-demand and explain the solutions to the entire class if needed.
Instructor : SolidXperts trainers are Certified SolidWorks Instructors (CSWI) and authorized by Emploi-Québec.
Course Materials : This course is given using digital files only (no physical book is provided)
Attestation : A certificate will be given to each student at the end of the course to attest to the successful completion of the requirements for the course.

CAD Administrators – 2 days (14h)

Prerequisites : Experience as an engineering manager or in IT.
Understanding of the Windows operating system.
This training is only available remotely

1. SOLIDWORKS Computer Requirements

- Analysis of computer hardware
- Review of computer needs to ensure good performance and stability
- Certified graphics drivers

2. Installing SOLIDWORKS

- Review of installation techniques on a new workstation
- Review of installation techniques on a workstation with a previous SOLIDWORKS
  Creation of an administrative image for a large deployment
- Advanced uninstallation technique

3. File Management

- Network server maintainability and speed analysis
- Network directory naming best practices
- Antivirus Exceptions list
- Different types of network

4. System Settings and Document Templates

- Analysis of SOLIDWORKS system parameters
- Validity of the need for system parameters changes
- Analysis of the sharing of system parameters between users
- Management of document templates
- Explanation and proof of document templates changes
- Property tab builder

5. Collaborative Environments

- Analysis of shareable elements (ex: Material database, Custom Bill of Materials, Toolbox, weldments, etc.)
- Maintenance of shareable items
- Files location management
- Multi-user environment
- SOLIDWORKS Search Routine
- Understanding the Pack an Go
- Design Library

6. Tools for CAD administrators

- CAD Admin Dashboard
- Design Checker
- Best practice document

SPECIFIC NOTE FOR THIS TRAINING

*For reasons of convenience, collaboration and interactivity and also to allow you to obtain concrete examples on your workstations and with your files, **this training is only available remotely**.*

Course Objectives : At the end of each course, students will know the capabilities of the software and will be able to use the learned features.
Training Course : Training is given in class at SolidXperts or online where each student has access to a workstation or online product version.
Methodology : Training is based on case studies demonstrated by the instructor.
Competences Evaluation : During the classwork, the instructor will correct the exercises on-demand and explain the solutions to the entire class if needed.
Instructor : SolidXperts trainers are Certified SolidWorks Instructors (CSWI) and authorized by Emploi-Québec.
Course Materials : One or more training manuals are included with the training course.
Attestation : A certificate will be given to each student at the end of the course to attest to the successful completion of the requirements for the course.

WWW.SOLIDXPERTS.COM