FORMATION
Credly
CERTIFIÉE

SOLIDXPERTS TRAINING

COURSE OUTLINE

TABLE OF CONTENT

COURSE OUTLINE / SOLIDXPERTS TRAINING

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 folder from external references
- Number of parts per assembly level
- Parts rebuild time
- Number of features in a part
- 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
- Parts in simple version
- 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

Annex : ToolsXperts Demo

- DoctorXperts
- Explode Configurations
- ReferencesXperts

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 Certifi ed SolidWorks Instructors (CSWI) and authorized by Emploi-Québec.
Course Materials : This course is given using digital fi les 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 card 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 and 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 Certifi ed SolidWorks Instructors (CSWI) and authorized by Emploi-Québec.
Course Materials : This course is given using digital fi les 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.