



SOLIDWORKS
3DEXPERIENCE Works

Course Outline

SOLID  **PERTS**
by solidxperience

ENSURE YOUR SUCCESS IN 3D DESIGN WITH SOLIDWORKS

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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. At the end of each lesson, time will be given for exercises.
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.

Configuration of the 3DEXPERIENCE – 1 day (7h)

1. 3DDashboard Platform Management

2. Validation of the roles and the qty (licenses)

3. Invitation and configuration of the members

- Roles
- Applications
- Additional options

4. Adding and managing 3DSwym communities

- Manage communities
- Manage administrators
- Manage parameters

5. Creating and configuring 3DSpace

- Drive Control Center
- Collaborative Spaces Control Center
- Collaborative Spaces Configuration Center
- Attribute management
- Maturity graph
- PLM xCAD
- Derived formats

6. Creation and allocation of 3DDashboard

- Creation of an enterprise 3DDashboard
- Sharing the 3DDashboard
- Definition off the 3DDashboard by default

7. 3DSearch and 6WTags configuration

- Search parameters
- 6WTags

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User Training of the 3DEXPERIENCE – 1 day (7h)

1. What is the 3DEXPERIENCE platform?

2. Explanation of the cloud structure

3. The roles

4. Connecting SOLIDWORKS to the 3DEXPERIENCE platform

- Exercise | Cloud Eligibility Tool
- Exercise | Installing the xCAD PLM connector and prerequisites

5. Where are my files? 3DDrive vs 3DSpace

- Exercise | Registering a SOLIDWORKS assembly on the 3DEXPERIENCE platform

6. What is the purpose of the 3DDashboard?

- Exercise | Create your first 3DDashboard

7. SOLIDWORKS content lifecycle and access control

- Exercise | Using SOLIDWORKS content and collaborative space

8. SOLIDWORKS content management

- Exercise | Edit, manage and delete files

9. Search on the platform

- Exercise | Practice searching for content

10. Bookmarks

- Exercise | Create a bookmark and add content

11. Collaborative Task

- Exercise | Using Tasks in SOLIDWORKS

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3D Creator – 1 or 2 days (7h or 14h)

**Prerequisites : Knowledge of data management in the 3DEXPERIENCE platform, parametric modeling and mechanical concepts.
**Note : You must have a license for the 3D Creator role.*

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| 1. Presentation of xDesign | 11. Use of equations |
| 2. Creating and opening designs | 12. Multiple body parts |
| 3. Design management in xApps | 13. Direct editing |
| 4. Sketches | 14. Design changes |
| 5. Flexibility of the functionalities | 15. Design Guide |
| 6. Sketch-based features and use of «super features» | 16. Design of assemblies |
| 7. Reference geometry | 17. 2D sketch movement |
| 8. Applied features | 18. Component repeats |
| 9. Rehearsals | 19. External references |
| 10. Addition of holes | 20. Derived formats |
| | 21. xCAD PLM connector |

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