

Know-how that grows with your projects. Training is the basis of what we offer: we build up your design team's skills step by step – from basic CAD training through setup, database and programming of AutoCAD Plant 3D to project management in a BIM environment. From the user's perspective: with the standards, catalogs and templates you work with in your projects.



Our own course manuals from the Anlagenbau Kompetenz Zentrum – included where available for the module

3 planning concepts	4 qualification levels	5 steps to project manager	online • on site preferably online, also in Frankfurt and at your site
-------------------------------	----------------------------------	--------------------------------------	--

THREE PLANNING CONCEPTS

New plant design End-to-end from P&ID to 3D model with AutoCAD P&ID and Plant 3D – based on verified catalogs, piping specs and project templates.	Existing plant design Extensions and modifications of existing plants: laser scanning, point clouds with Autodesk ReCap, modeling with EdgeWise, continued design in Plant 3D and Revit.	Connected work Combine models from plant engineering, concrete construction, steel construction and mechanical engineering – with Autodesk Construction Cloud, Vault and BIM management.
--	--	--

QUALIFICATION LEVELS

1 Basic training • User AutoCAD – CAD basics • Plant engineering – CAD application basics • AutoCAD P&ID – Application • AutoCAD Plant 3D – Application	2 Administrator • Setup Plant 3D setup: project, symbol library, data & annotation • Database: SQL Server Express, SQLiteStudio, Data Manager, Report Creator	3 Expert level • Developer Plant 3D Python scripting • Scripts for catalog components • Equipment script format, nozzle catalog	4 Project group • Coordination Review & clash detection • BIM tool: Navisworks for AutoCAD Plant 3D
---	---	---	---

LEARNING PATH: PIPING DESIGNER → PROJECT MANAGER

1 Basics Standards, specifications, catalogs, piping specs › Workshop	2 As-built capture Site plans, plant origins › Laser scanning • ReCap	3 Modeling AutoCAD 2D/3D › EdgeWise • Plant 3D • Revit	4 Discipline design Calculation, 2D piping, FEM › Inventor • Plant 3D • Revit MEP • Advance Steel • Vault	5 BIM project manager Concept, engineering, review › Navisworks • Construction Cloud • Vault
--	--	---	---	---

Also: moderation • workshops • experience sharing • technical talks

FORMATS & SERVICES

- Preferably live online – efficient and resource-saving, also in half-day blocks; also at the Frankfurt training center and at your site
- Autodesk Authorized Training Center • all dates in the training calendar, bookable online
- Free with every training (online or in person): 3 months of the matching video course and course manual, where available
- Tailored to your team, your standards, catalogs and project templates – preconfiguration and programmed customizations on request

SELF-PACED LEARNING – WITHOUT A TRAINER

Online Package Video Courses & Manuals €2,990 instead of €4,134 6 video courses + all course manuals • 12 months	Complete Package Technical Books €999 instead of €1,202 18 titles (PDF) incl. script catalogs • 12 months	Single €10 per lesson Video course, 1 year • technical book €39–59 • course manual €89/129
--	---	--

We assess your team's level of knowledge and put together the right learning path: vertrieb@seitz-ingenieure.de