

AUTOBIM3D distance training program

Training by video-conference with an instructor

Target audience:	Experienced MEP engineers, HVAC and plumbing CAD designers and technicians.
Objectives:	3D modelling of building services networks for visualisation: • Set up project levels • Identify AUTOFLUID 2D conduit and bend types • Set conduit elevations and network invert levels • Model air distribution, heating and gravity drainage networks • Connect 3D conduits between floors • Insert equipment from a library into a 3D network • Create snapshots of 3D views • Export models in DWG and IFC formats.
Prerequisites:	Current working knowledge of AUTOCAD or similar CAD package, of Microsoft Windows and of using the internet.
Course format:	Private lessons by video conference with an instructor.
How to attend:	First, schedule a time and date with your Tracéocad contact. Then your instructor will send you an invitation to connect in video conference.
Lead times:	From 7 days to 4 weeks.
Prices:	350 € ex. taxes for 1 person maximum
Duration:	2 hours over video-conference.
Contact:	Mélinda Charbonnel, training manager, with Tracéocad's instructors' team.

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Preparing 2D networks

- > Understanding the structure of AUTOFLUID conduits (single-line, piping arrays, manifold water distribution systems, double-line rectangular and circular, smoke extraction)
- > Inspecting and repairing an AUTOFLUID network section
- > Routing with precise network positioning
- > Understanding key terms: branch and propagate.

Levels in AUTOFLUID

- > Setting up and selecting building levels
- > Managing levels within a floor
- > Quickly setting conduit and equipment elevation
- > Entering an elevation using the keyboard
- > Retrieving or assigning an elevation from an existing network
- > Finding an elevation relative to an architectural or network element
- > Positioning an inclined conduit
- > Setting the invert level of gravity-flow networks.

3D Modelling

- > Modelling air distribution and gravity drainage networks
- > Modelling a pipe assembly from a side view drawing
- > Modelling the building architecture
- > Connecting networks between floors
- > Inserting 3D equipment blocks from libraries into the model.

Using your 3D model

- > Create 3D snapshots and insert them into presentations
- > Manage different parts of the 3D model for IFC or DWG export.

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Methods and teaching resources

Hands on learning with demonstrations.
Use of the software on concrete cases.
All necessary AUTOFLUID applications are provided for the training.

Additional resources

Course support and files for all exercises are provided for further individual training.

Access to trainees with a handicap

Please inform us of specific needs at the time of preparing the sessions.