

DZETACAD distance training program

Training by video-conference with an instructor

Target audience:	Experienced MEP engineers, HVAC and plumbing CAD designers and technicians.
Objectives:	Pressure loss calculation on networks drafted with AUTOFLUID. Trainees will learn how to: - Understand the structure of a network and manage floor levels - Prepare for calculation - Include non-AUTOFLUID equipment to the calculation - Calculate pressure loss across several floors and export it to Excel.
Prerequisites:	Current working knowledge of AUTOCAD or similar CAD package, of Microsoft Windows and of using the internet.
Course format:	Private lessons via 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 up 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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2D networks

- > Drawing unit
- > Structure of a network
 - Conduits
 - Connections
 - Equipment

Calculation preparation

- > Definition of floors (Names and Levels)
- > Understanding key terms:
 - Main equipments
 - In-line equipments
 - The network
 - Graphical objects
 - Elements
 - Conduits
 - Horizontal
 - Vertical
 - Drain pipes
 - Oblique conduits
 - Branches
 - Propagation of information
- > How to include non-AUTOFLUID equipment into calculations.

Calculation of pressure loss

- > Input flow rates, flow direction, hidden vertical lengths and equipment.
- > Select of a section of the route chosen for the pressure loss calculation.
- > Generate a schematic of the calculated route.
- > Generate a calculation sheet in Excel containing friction losses and minor losses (tables and calculation methods based on industry benchmark studies: MEMENTO I-E IDEL'CIK, PORCHER air conditioning resources).

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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.