

AUTOFLUID

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Target audience :	Experienced MEP engineers, HVAC and plumbing CAD designers and technicians.
Objectives :	Draft 2D plans of HVAC and plumbing systems: - Design 2D plans using AUTOCAD/BricsCAD/ZWCAD - Calculate network sizes - Quantify networks and materials.
Prerequisite :	Current working knowledge of AUTOCAD or similar CAD package, of Microsoft Windows and of using the internet.
Inscription conditions :	Signature of the price offer and the training contract and/or validation of outside financing.
Lead times :	7 days to 4 weeks
Prices :	Training on site: €1,200 per day ex. taxes for one group of 1 to 5 persons.
Duration :	2 days / 14 hours
Contact :	Mélinda Charbonnel, training manager, and Tracéocad's instructors team.

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DAY 1 : Duration 7 hours

Basic settings

- > Preference file
- > Working unit
- > Drawing scale

Sizes calculations

There are 2 types of computations: on a single conduit or on a whole network

- > Calculation of air networks
- > Calculation of water networks
- > Calculation of drain networks

Drawing

- > Introduction to double line drawing
- > Structure of a conduit
- > Understanding specifications
- > Routing (Double line and single line)
- > Drawing and calculations of spacing in sets of pipes
- > Drawing inclined conduits
- > Insertion of standard components in line or on already drafted ducts
- > Network crossings
- > Customizable air conditioning terminal drawings (AHU, cassette...).

Arrows

- > Automatic drawing and positioning of arrows indicating directions of flows
- > Indicating slopes.

Quick modifications tools

- > Changing objects
- > Changing conduit shapes
- > Editing text
- > Deleting objects
- > Moving objects and branches.

Texts

- > Understanding proportions
- > Choosing a style
- > Create automatic texts, frames, leader lines
- > Formatting of the most common information using prefixes and suffixes
- > Dimensioning.

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DAY 2 : Duration 7 hours

Builder's work openings

- > Sizing and drawing builder's work openings using existing network drawings
- > Drawing openings without a network
- > Modifying builder's work openings
- > Create a table list of openings in the presentation space
- > Create a table list of openings in Excel.

Bills of equipments and materials

- > Creating zones
- > Networks bills
- > Bills of equipments
- > Finding equipment using marker tags
- > Create a table list of openings in the presentation space
- > Create a table list of openings in Excel.

Others

- > Redraw ducts automatically after they're cut
- > Working with layers (freeze, transfer, lock...)
- > Changing thicknesses.

Laying out drawings

- > Layout drawings in the sheet automatically
- > Insert and format title blocks automatically
- > Create detail views
- > Update the scale of views automatically
- > Insert the file name, its file path and the list of related XREF in the margin automatically.

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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.

Feedback from the trainees on the sessions is recorded via a questionnaire at the end of each training program.