AUTOFLUID

Level 1 (Page 1/4)

Target audience :	Experienced engineers, designers and technicians
Objectives :	Creation of 2D plans
	The participant will be able to:
	- Design 2D plans using AUTOCAD/BricsCAD/ZWCAD
	- Calculate cross-sections
	- Quantify networks and materials
Prerequisite :	Knowledge and regular contact with AUTOCAD or similar working environments
	Knowledge of the Windows environment and 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 :	Single business: €1,200 ex VAT / day, €1,400 incl VAT for one group of 1 to 5 persons max.
	Multi-business: € 750 ex VAT / day, € 900 incl VAT Per person
Duration :	2 days, 14 hours
Contact :	Mélinda Charbonnel, training manager. And her team of professionals

AUTOFLUID

DAY 1 : Duration 7 hours

Basic settings
> Preference file
> Working unit
> Drawing scale

Sizes calculations
There are 2 types of computations : one-off or 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 specification
> Routing (Double line and single line)
> Drawing and calculations of spacing in sets of pipes
> Insertion of standard components in line or on already drafted ducts
> Network crossings
> Customizable air conditioning terminal drawings (AHU, cassette…)

Arrows
> Automatic drawing and positionning of arrows indicating directions of flows
> Drawing slopes

Quick modifications tools
> Swapping objects
> Changing conduit shapes
> Editing text
> Deleting objects
> Moving an object on a conduit

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

DAY 2 : Duration 7 hours

Openings
- > Sizing and drawing openings using existing network drawings
- > Drawing openings without a network
- > Modifying openings
- > Creating a list in the paper space
- > Exporting the list into Microsoft Excel

Bills of equipments and materials
- > Creating zones
- > Networks bills
- > Bills of equipments
- > Finding equipment using marker tags
- > Creating lists in the presentation space
- > Export lists into Microsoft Excel

Others
- > Automatic redrawing of ducts after they are cut
- > Working with layers (freeze, transfer, lock, etc.)
- > Changing thicknesses

Laying out drawings
- > Automatic composition of the drawing in the layout
- > Automatic insertion of title blocks formatting
- > Creating detail views
- > Updating the scale of views automatically
- > Inserting the file name, its file path and the list of related XREF in the margin automatically

Teaching methods

Our training focuses on practical exrecise and participative demonstrations, using the software to learn by doing.
Note that the AUTOFLUID Suite is provided for the training

Benefits of the training

In the case of one-to-one or small groups of the same company, the trainers adapt the programs to the specific needs of the trainees

Course documentation is provided along training sessions to help trainees follow and understand

Conditions of evaluation

Trainees receive validation on their training by achieving a minimum score of 16/20 on our evaluation grid. It is composed of a set of criteria that show how trainees meet the objectives of the course in exercises that simulate real life situations

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

Access to trainees with en handicap

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