

Updated on 27/02/2023

Sign up

Flow 3D training

3 days (21 hours)

Presentation

FLOW-3D is Computational Fluid Dynamics (CFD) software offering the highest level of accuracy. It is developed by Flow Sciences and distributed worldwide. Its features make FLOW-3D the best tool for R&D, at the design stage and for improving all production processes involving fluid dynamics.

By the end of the course, a new user will be fully functional in FLOW-3D, being able to define, run and analyze problems.

The course will use the latest stable version of the project ([Flow-3D v12](#) at the time of writing).

Objectives

- Understanding CFDs
- How to use Flow 3D

Target audience

- Researchers
- Industry professionals

Prerequisites

No prerequisites.

Flow-3D Training Program

Introduction User

interface Using

Flow 3D

- The simulation manager and simulations in progress
- Model configuration
- General parameters and output options
- Geometry creation
- Mesh
- Material properties
- Initial and boundary conditions
- Physical models
- Numerical methods and options
- Post-processing

Troubleshooting

Companies concerned

This course is aimed at companies, large or small, wishing to train their teams in a new, advanced computer technology.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire is used to check that skills have been correctly acquired.

Sanction

A certificate will be issued to each trainee who completes the course.