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**ANSYS**

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**ROI Engineering Inc.**

## **ANSYS Workbench Introduction to CFX Part 1** **3 Days**

ANSYS CFX is a fluid analysis software tool that combines CAD input, automatic meshing and a fast solution algorithm. The ANSYS Introduction to CFX Part I Course is a three-day course and consists of lectures and "hands-on" practical examples. Basics of geometry creation, grid generation, physical model specification, solution, and post-processing are covered. Please note that only introductory material and related applications will be addressed.

Includes Introduction to DesignModeler and Meshing Application training.

Course Topics Include:

- DesignModeler Graphical User Interface (GUI)
- Workbench Window Manager
- Managing CAD Files
- Basic Geometry Creation
- CFX GUI and Workflow
- CFX-Pre Domains
- CFX-Pre Boundary Conditions
- CFX-Pre Solver Control
- CFX Expression Language
- CFX-Solver Manager
- CFX-Post
- Domain Interfaces
- Sources
- Additional Variables
- Initialization
- Transient Simulations
- Output Control

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**Engineering for a Return On Investment**

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Each course chapter is followed by "hands-on" workshops and exercises.

