



## CAD-IT CONSULTANTS (ASIA) PTE LTD TRAINING COURSES

**COURSE NAME** : Introduction to ANSYS AIRPAK  
**DURATION** : 2 x 8hrs sessions

\* Creditable for QUT Master program and Continuing Development (CPD) courses offered by the Professional Engineers Board (PEB) Singapore.

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### OBJECTIVES

The prime goal of this course is to introduce the student to the basics of using ANSYS AIRPAK, familiarize them with the user interface, and begin to start doing their project for a mutually beneficial partnership.

By the conclusion of this course, students will have a solid understanding of:

- ANSYS AIRPAK's capabilities including problem setup, CAD import, modeling considerations, meshing, solver attributes, use of macros, post-processing and reporting.
- Guidelines for successfully deploying ANSYS AIRPAK for real-world projects

### WHO SHOULD ATTEND

This course was designed for clients who have just begun to use ANSYS AIRPAK airflow modeling software or are planning to deploy airflow modelling technology in their engineering analysis program.

### PRE-REQUISITES

Technical education and background is recommended; a good understanding of the application of interest will be helpful.

### COURSE SYLLABUS

#### SESSION 1

- Introduction, Overview and Demonstration
- Getting Started
- Building Models with Airpak
- Tutorial: Ventilation of a Partitioned Office
- Lecture: Physical Modeling & Boundary Conditions
- Lecture: Meshing
- Hands-on Exercises: Meshing
- Tutorial: User's Choice

#### SESSION 2

- Lecture: Solving the Problem
- Lecture: Postprocessing
- Hands-on Exercises: Post-processing
- Lecture: Methods for Working Faster
- Lecture: Defining & Planning Your Analyses
- Jumpstart Your Own Analysis
- Technical assistance provided by our technical support staff

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