

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

**COURSE NAME : ANSYS ICEPAK TRAINING**

**DURATION : 3 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**

Icepak is a fully interactive software tool, used for thermal management by design engineers in the electronics industry. By predicting air flow and heat transfer at the component-level, board-level, or cabinet level, Icepak improves design performance, reduces the need for physical prototyping, and cuts time-to-market.

### **WHO SHOULD ATTEND**

It is designed for clients who have little to no experience with Icepak – advanced thermal modeling software for electronic design.

### **PRE-REQUISITES**

Engineering knowledge is required, familiarity with computer (PC or workstation) and knowledge of Computational Fluid Dynamics (CFD) and semiconductor packaging is useful.

### **COURSE SYLLABUS**

#### **DAY ONE**

- Introduction & Interface
- Model Building: Geometry
- Model Building: Icepak Objects-“no flow” objects
- Model Building: Icepak Objects-“flow” objects

#### **DAY TWO**

- Meshing
- Model Building: Icepak Objects-compound objects,
- Heat sinks, packages
- Non-conformal meshing
- Solver
- Heat Transfer Physics

#### **DAY THREE**

- Post Processing
- CAD Import Features