

Increase Efficiency, Improve Performance and Reduce Costs

Embracing CAE Technology Seminar: The Benefits of CAE

20 Nov 2008

Industry trends

The current global credit crunch is hurting many economies. As a result, companies everywhere are searching and investing in ways to increase efficiency and reducing costs. More and more companies are discovering the benefits of embracing **Computer Aided Engineering (CAE)**, especially in *improving product performances, increase process efficiencies, and reducing development and operational costs.*



ANSYS Solutions: For True Virtual Prototyping Capabilities

It is highly important for businesses to understand the performance of their products and processes early in the design stage, and especially before any physical prototypes are produced. This understanding of the performance is achieved by simulating these product or processes in the computer, or by doing what is termed 'Virtual Prototyping'. By employing virtual prototyping, the products and processes can be simulated, many 'what if' studies can be done, and ultimately, the design can be optimised to give the best performance possible. This will allow businesses to cut the number of physical prototypes and testing, **reduce time to market, increase the quality** of performance of their product and processes, and most importantly **reduce their development and operating costs.**

ANSYS offers comprehensive CAE tools encompassing:

- **Structural Analysis** (static, dynamic, linear and non-linear)
- **Fluid flow** (laminar and turbulent flow, aerodynamics, turbomachinery, acoustics, single and multiphase flow, combustion, and hydrodynamics)
- **Thermal Studies** (temperature distribution and heat transfer, including convection, conduction, and radiation)
- **Impact analyses** (drop tests, crash, and explosions)
- **Electromagnetic Studies** (low and high frequency electromagnetics)
- And combinations of the above physics (**Multiphysics**)

All in all, ANSYS offers their customers with **true virtual prototyping capabilities**

Seminar highlights

- Expose yourself to CAE and how it will benefit your company
- Experience the depth and breadth of the ANSYS CAE tools
- See testimonials on how ANSYS solutions have been applied successfully by various companies
- Product demonstrations on Fluid-Structure Interaction and Product Optimisation
- **Special product offers exclusive for attendees!!!**

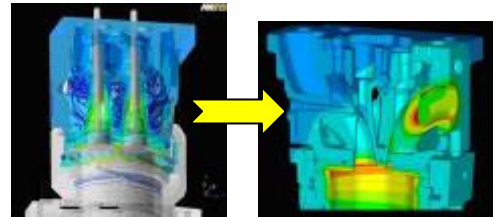
Who Should Attend

- Engineering managers eager to reduce operational costs
- Engineers, researchers, striving to optimise their products and processes
- Anyone related to the following industries:
 - Aerospace
 - Automotive
 - Oil and Gas
 - Chemical Processing
 - Electronics
 - HVAC

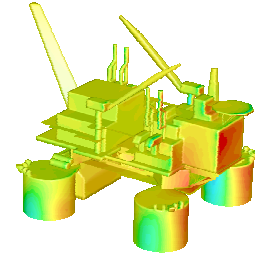
Seminar Information

- **Date: 20 November 2008**
- **Time: 9.00am – 12.00pm**
- **Venue: CAD-IT Seminar Room, Kelana Jaya, PJ**

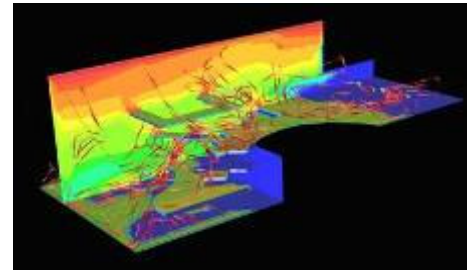
To register, please call Siti at 03-78064758, or email siti@cadit.com.sg



Load transfer from flow analysis to structural analysis



Pressure contours due to wind loadings



Studies of Airflow inside a greenhouse

About CAD-IT

Formed in 1991, CAD-IT is a leading PLM solution, manufacturing and education provider to over 1,600 companies throughout South East Asia and China. With 7 offices and 2 manufacturing plants in SEA and China, CAD-IT's mission is in providing world-class solutions and services that enable companies and their supply chains to achieve greater product innovation, quality and productivity with drastically reduced time-to-market and costs. CAD-IT is extremely honored to have received more than 50 International Awards since its inception for marketing and service excellence and has trained over 8,000 professionals till date with its regional presence in ASEAN. As an exclusive partner of ANSYS, Inc. in the ASEAN region, CAD-IT has a proven track record of success and is extremely honored to have received 8 ANSYS Outstanding Performance Award over the past 11 years and consecutively since 2002 to 2006 in recognition of her excellence in marketing, provision of training, consulting and technical support of the entire range of ANSYS solutions.

About ANSYS, Inc.

ANSYS, Inc., founded in 1970, develops and globally markets engineering simulation software and technologies widely used by engineers and designers across a broad spectrum of industries. The Company focuses on the development of open and flexible solutions that enable users to analyze designs directly on the desktop, providing a common platform for fast, efficient and cost-conscious product development, from design concept to final-stage testing and validation. The Company and its global network of channel partners provide sales, support and training for customers. Headquartered in Canonsburg, Pennsylvania, U.S.A., with more than 40 strategic sales locations throughout the world, ANSYS, Inc. and its subsidiaries employ approximately 1,400 people and distribute ANSYS products through a network of channel partners in over 40 countries. Visit <http://www.ansys.com/> for more information. ANSYS, ANSYS Workbench, AUTODYN, CFX, FLUENT and any and all ANSYS, Inc. brand, product, service and feature names, logos and slogans are registered trademarks or trademarks of ANSYS, Inc. or its subsidiaries in the United States or other countries ICFM CFD is a trademark used by ANSYS, Inc. under license. All other brand, product, service and feature names or trademarks are the property of their respective owners.

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