

## Webinar : Want Faster Analysis Runtimes? Try defeaturing in ANSYS

### Introduction

Designers rarely model for simulation, so analysts often receive CAD models with details that aren't important for simulation, which causes long runtimes and bottlenecks in the analysis process. By using ANSYS tools like Design Modeler, SpaceClaim and also Mechanical, analysts are able to quickly defeature a model because it's easy to use and is the fastest tool for editing geometry.

### Objectives

This webinar offers an opportunity to participants to know the advantages of 'Defeating' for simulation in ANSYS.

We'll show you how 'Defeating' can:

- Simplify models by eliminating unnecessary features
- Improve solution run time
- Clean up messy geometry
- Improve mesh quality

### Benefits

- Empower CAE analysts to work in 3D while keeping the CAD team focused on detailed design
- Save days or weeks by removing CAD bottlenecks in the CAE workflow
- Strong ROI (return on investment) with very fast pay back

### Who Should Attend

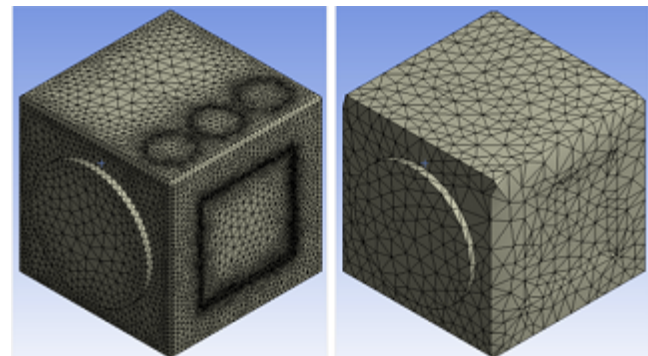
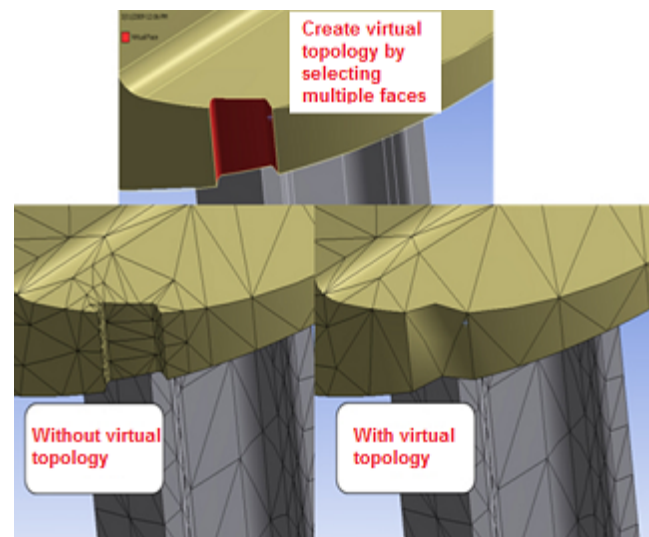
Engineering Managers, Design Engineers, CAE Analysts

### What customers say about SpaceClaim

"Before SpaceClaim, it took four or five hours to completely clean up and prepare a model. Now we can do this job in five minutes."

**Alexander Häse, Director of Engineering, Salzgitter Mannesmann Forschung**

"Our customers want to buy state-of-the-art turbines that have proven technology and are able to run 20 years without any major



**Before and after defeaturing**

problems. To achieve such **strong structural components**, ANSYS is very important for us."

**Michael Schuld, Team Leader Structural Engineering, PowerWind**

"We used to spend a lot of time and resources in making our customers deliver the CAD drawings with the required level of detail, which was a time drain and ineffective. Now with SpaceClaim, I can continue to make edits and perform simulation as a continuous loop until we're satisfied with the results. This has **saved us** at least **50 percent in time to model!**"

**Casper Falkenstrøm Mieritz, Consulting Engineer, Highvoltage.dk**

"All our customers want answers to their questions really fast. And it's implicit that they want accurate answers. There are plenty of tools around that give you an answer very quickly, but it's more difficult to find a tool that is **both accurate and quick at the same time**. That's ANSYS."

**Jonas Persson, Technical Manager, ST-Ericsson**

## Presenter Profile



Ahmad Faridzul Hilmi bin Shamsuddin is an Applications Engineer with CAD-IT Consultants (M) Sdn Bhd. He has a Masters degree in Mechanical Engineering from University of Applied Sciences RheinMain in Germany. Before joining CAD-IT Consultants, he worked with Perusahaan Otomobil Nasional Sdn Bhd (PROTON) for 2 years in Computer Aided Engineering (CAE) Strength department under Research and Development (R&D) division, where he was involved in different kinds of analysis using various simulation software solutions.

## Event Information

**Date** : 18th December 2015 (Friday)

**Time** : 3:00 pm - 4:00 pm

**Register NOW**

- Register online for this **FREE** webinar.
- CAD-IT Consultants reserves the right to cancel or postpone the event due to unforeseen circumstances.

**For enquiries, please call 03-78064758 or email at [eventsma@cadit.com.sg](mailto:eventsma@cadit.com.sg)**

## About CAD-IT Consultants

Founded in 1991, CAD-IT is a leading global ISO 9001:2008 certified Product Life Cycle Management (PLM), manufacturing and education provider. CAD-IT's mission is to provide 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 honored to have received over 80 international and national awards since its inception for marketing and service excellence. Among its most recent accolades are the Singapore Enterprise 50 Award (2015, 2014, 2013, 2012), Singapore SME 1000 (2014, 2013, 2012, 2011), Asia Pacific Entrepreneur Award (APEA) - Outstanding Entrepreneur Award (2012, 2010, 2009), the Singapore Prestige Brand Award SPBA - Established Brand Award (2012, 2011, 2010, 2009), SPBA - Regional Brand Award 2012 and SPBA - Hall of Fame 2012.

CAD-IT Consultants' suite of PLM solutions include ANSYS (System-level, Multiphysics Simulation), Goldfire Innovator (Innovation Process Management), Moldflow (Plastics CAE), Stampack (Sheet Metal Forming), Deform (Bulk Metal Forming CAE), SpaceClaim (3D Direct Modeler), Mentor Graphics Valor DFM (Design For Manufacturing), Valor MSS (Complete Manufacturing Execution Suite) and Cortona3D (3D Technical Documentation).

Since February 2010, CAD-IT has partnered the Singapore Workforce Development Agency (WDA) to offer Advanced Certificate courses in PLM and Engineering Simulation, under the Workforce Skills Qualifications (WSQ) framework, with the charter to upgrade the technological capabilities of organizations in Singapore so as to enable them to undertake high value-add design, engineering, manufacturing and R&D activities.



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