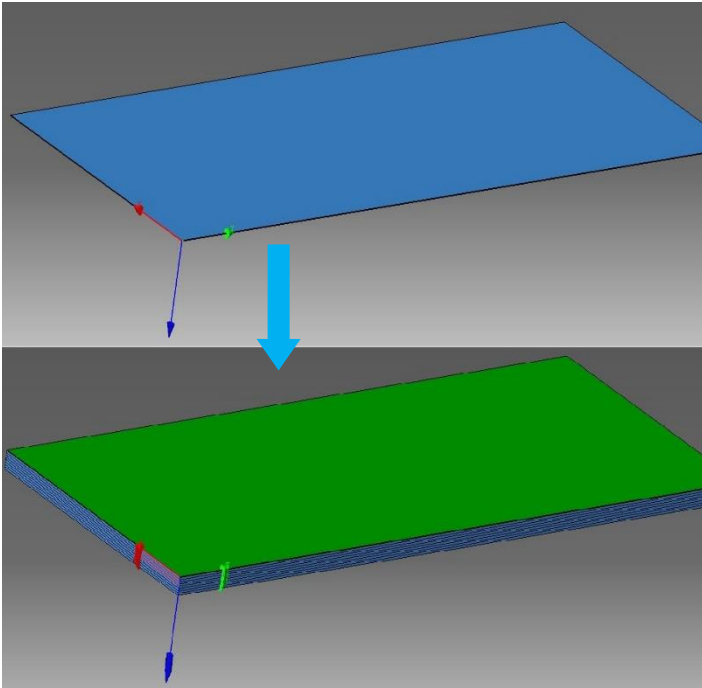# Software Development: Composite Analysis Pre/Post Processor
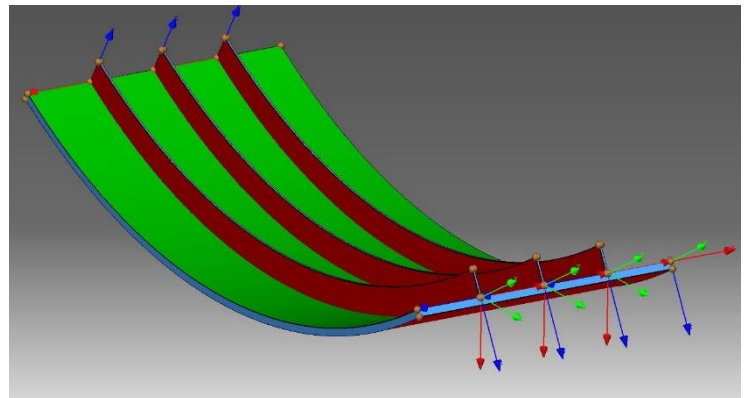

Composite model creation

Key Features

- Simple and Quick creation of Composite part and Analysis model

- Creating N levels of composite assembly

- Smart record-replay tools that enable user to quickly edit and create/regenerate variations of the same assembly

- Optimization of Composite Properties and Models

- Composite Mesh generator

- Post-Processor: Study the Stresses and Deformation on the composite Part/Assembly.

- Detecting contacts between composite parts in an assembly.

- OpenGL based Visualization and Independent User interface
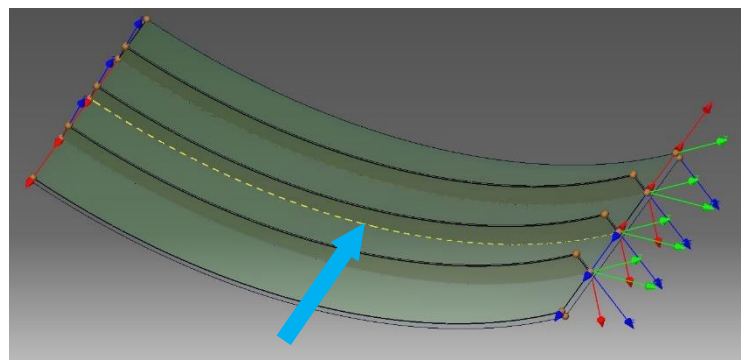
The Customer

A leading technology and business services company in the field of Engineering Simulation and VLSI Simulation areas.

Background

Customer had existing Composite Analysis and Optimization solver. They wanted a Composite modelling, Pre-Processor, Optimization task creator and Post-Processor for Composite Analysis
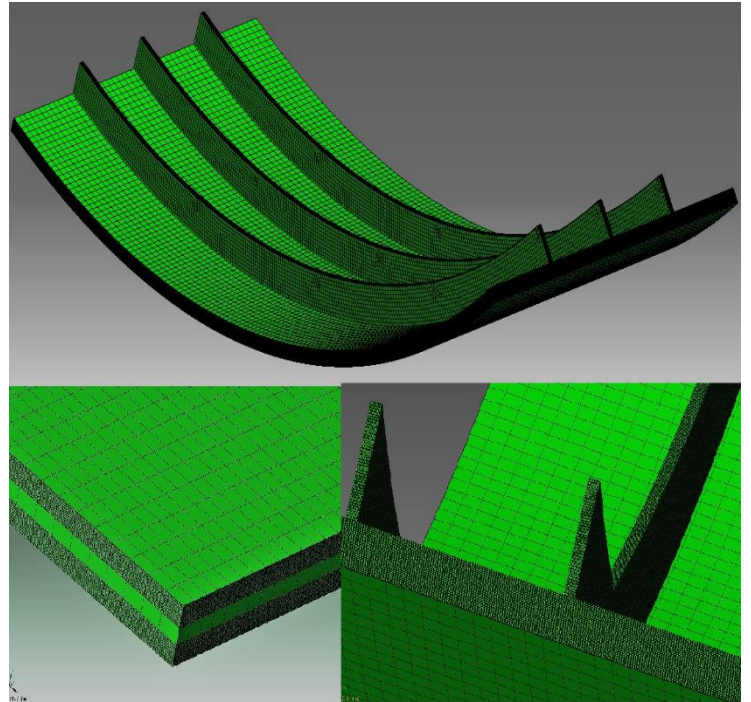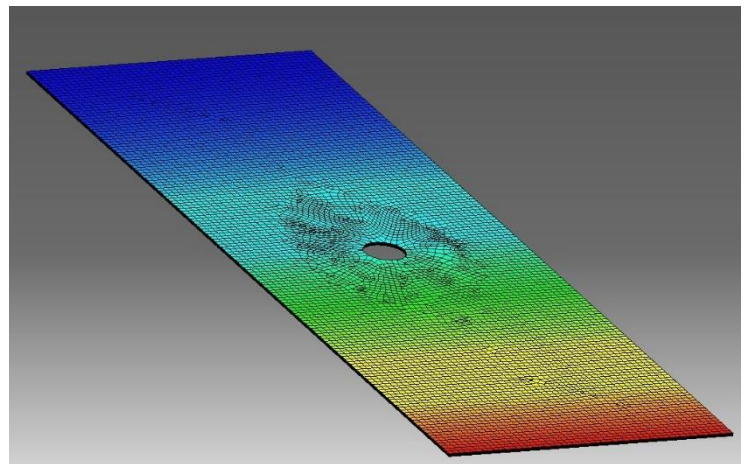

Composite Assembly

Automatic Contact detection between composite parts

Benefits to Customer

- Vast experience on Composite Modelling and Analysis technology

- Aashai team's sound knowledge on CAD, CAE development including variety of CAD kernels, Meshing libraries, Finite Element pre-processors, solvers and post-processors.,

- Agile development model enabled customer to develop and evolve the product in line with end user design workflows

- Customer has a very cost-effective off-shore development partner

Quad Composite Mesh

Post-Processing