



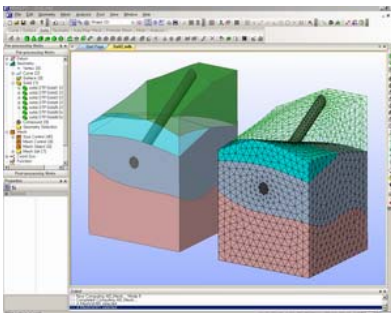
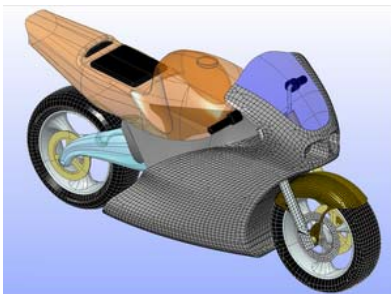
MIDAS IT

reduces efforts to create complex structural analysis models for FEM finite element mesh modeling

S u c c e s s w i t h O p e n C A S C A D E

"Open CASCADE Support team always demonstrates good understanding of our needs, and provides answers and solutions we may rely upon. Using Open CASCADE Support via the A-la carte program provided convenience and flexibility in choosing the appropriate type of support at each particular phase of the project. Access to maintenance releases allowed to quickly solve blocking problems and smoothly progress in our development."

Sangsu Lee,
Project Manager,
MIDAS IT



MISSION

- Create an application providing 3D feature-based modeling for automated mesh generation that could be used directly by the civil and architectural industry reducing design-to-manufacturing time

SOLUTION

- Development of MIDAS/FX+, an innovative Windows application that uses Open CASCADE Technology modeling kernel to build a complete pre-processor, including a CAD feature-based modeler
- Using Open CASCADE Support via A-la carte programs for several years
- Access to the source of advanced samples that help integrate Open CASCADE Technology modules into MIDAS IT industrial applications
- Adopting Open CASCADE value added components like the Parasolid-XT interface

RESULTS

- Reduction of costs thanks to open source and Public License used by Open CASCADE
- Shorter time to market thanks to concentrating on client's specific know-how solutions and leaving kernel-related issues to be covered by Open CASCADE support
- Substantially higher productivity thanks to reusing know-how embedded within Open CASCADE advanced samples
- Extended operability with other CAD systems thanks to integration of the Open CASCADE interface with Parasolid and reusing powerful Shape Healing capabilities
- Up-to-date technology and minimized migration costs obtained through access to regular maintenance releases of Open CASCADE

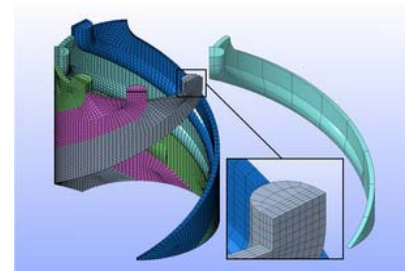
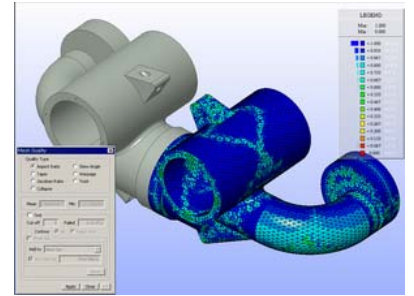




FACT FILE

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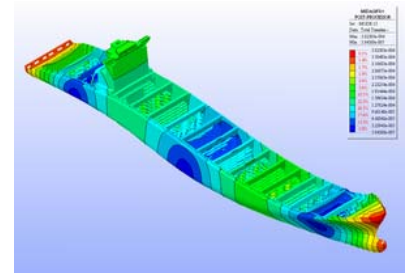
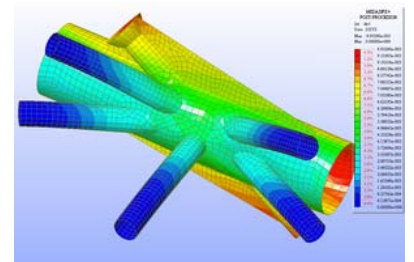
- MIDAS IT (MIDAS Information Technology, Co., Ltd.) was created in 1989 and is located at Seoul, South Korea. Well known worldwide as a modeling, integrated design and analysis software development center, MIDAS IT works with industrial partners to find innovative software solutions.
- MIDAS IT consists of structural software developers and professional engineers with significant practical experience. Over 100 developers and structural engineers with extensive experience support the company. One of the company strengths is to respond to the needs of the practicing structural engineers extremely fast.
- The MIDAS programs have been developed and used over the years, and their reliability has been established through applying them to thousands of real projects. They are general enough for a wide range of applications and yet specific enough to undertake any specific civil, bridge and building structures.



MORE ABOUT THE PROJECT

No more worries for complicated finite element mesh modeling! The state-of-the-art automatic finite element mesh generator can now dramatically lessen your effort to create complicated structural analysis models.

- MIDAS/FX+ software supports component feature-based modeling and complete auto-generation of mesh. Even those who are unfamiliar with mesh modeling need not be intimidated.
- MIDAS/FX+ contains a unique collection of basic features that can be applied in combination to form any complex configuration encountered in civil/architectural structure and industrial facility modeling. The only aspect that the user is required to perform is to simply imagine the makeup of the configuration in terms of basic components. Compared to the preprocessors of other mesh modelers, MIDAS/FX+ works as if a child is playing with building blocks. The superior MIDAS/FX+ modeling technique renders substantially higher productivity.
- MIDAS/FX+, created by MIDAS on the basis of Open CASCADE Technology, provides an optimized mesh network in practical structural engineering.



Using the creative basic features of MIDAS/FX+, the modeling task of accurately representing a 3D configuration becomes as easy as 1-2-3.

CONTACT US NOW:

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