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Customers Drive Enhancements to Comet/StructuralDynamics™

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Comet Solutions, Inc. announces today the immediate availability of Comet/StructuralDynamics™ 2008.1 which includes new features that greatly improve FEA studies using Comet software as well as enhanced calculations for simulation work completely independent of CAD geometry. These new capabilities enable customers to take advantage of simulation results earlier in the product design process by streamlining the time and effort spent on conceptual engineering.

Comet/StructuralDynamics' power comes from [Simulation Templates](#) which capture complete product simulation expertise so more sophisticated simulations can be conducted accurately. Our Simulation Templates automate the process of building a complex, multi-disciplinary simulation model and of changing that model when geometry changes. The Simulation Templates are used by non-experts to carry out simulation tasks. They can be created *before* CAD geometry even exists and facilitate rapid, consistent iterations, reuse of data, and reduction of manual human errors.

Through the use of Simulation Templates, Comet customers take advantage of the insight gained from simulation results earlier in the design cycle. Access to this knowledge during concept design and feasibility studies allows them to make better decisions early in the cycle when costs to change are lower.

Comet's line of knowledge-based engineering software is used by leading manufacturers in the U.S. and Asia. Comet actively works with its customers to influence the priority and timing of new functionality to be available for customer project needs. Dan Meyer, President of Comet Solutions said, "Because our customers continue to expand the projects on which they use Comet, we continue to add adaptors to new tools which support these customers and appeal to new customers."

Enhancements to Comet/StructuralDynamics 2008.1 include:

- Extension of FEA capabilities in the Comet/StructuralDynamics product line to include support for gravity loads, remote loads applied to edges and lateral acceleration loads in ANSYS®.
- Improvements to Comet/StructuralDynamics' ability to provide numerical calculations in simulation work completely independent of CAD geometry. Comet/StructuralDynamics provides full support for both Excel and MATLAB®.
- Significant performance improvements for handling large, complex assemblies, meshes and results fields.

- Flexible node locked or server floating licensing, allowing our customers to choose which model of Comet software licensing works best for them.

About Comet Solutions, Inc.

Comet Solutions, Inc. provides a full line of software applications which enable manufacturers to implement a knowledge-driven engineering process where reusable Simulation Templates bring insight from simulation much earlier in the product design process. With Comet software, the dependency on CAD is eliminated and companies significantly improve their ability to benefit from simulation results during early stages of conceptual engineering and feasibility studies. Comet software delivers the industry's first Single Project Environment that powers a streamlined workflow while allowing engineers to use existing CAD/CAE/PLM tools. With Comet software, companies are now exploiting the full potential of these tools and exploring more design alternatives, enabling the rapid development and delivery of more innovative, higher quality, and cost-effective products.

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