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Comet Announces New Cloud-Based Gearbox Durability SimApp

*Suite of Gearbox Simulation Applications will Deliver CAE Expertise to
Designers and Analysts.*

Comet Solutions, Inc. announces a program in support of Gearbox design and manufacturing. The Comet Gearbox solution, consisting of a suite of solution-specific Gearbox SimApps, will provide automated processes integrating the broad spectrum of tools frequently used throughout Gearbox development: CAD, FEA, multibody dynamics, gear/bearing simulation, and CFD in order to predict and optimize performance in the areas of acoustics/vibration/dynamics, durability/reliability, efficiency, and for management of cost and weight.

Developed in cooperation with ADET (Advanced Drivetrain Engineering and Technology) and utilizing SMT (Smart Manufacturing Technology) MASTA, Comet's new Gearbox Durability

SimApp will provide gearbox OEM companies the means to perform basic durability evaluations of various gearbox system designs. By loading a specific duty-cycle into the Gearbox Durability SimApp, they will be able to quickly and efficiently run an automated durability analysis of the entire gearbox system, including the effects of housing, shaft, and bearing deflections. Often, during early design stages, gearbox OEMs do not always

Comet
Simulation driven design apps.

have specific details regarding how customers will use their products in the field. This gives non-engineering staff the ability to demonstrate durability performance to prospective customers by entering custom duty cycles representative of actual field usage, independent of their internal engineering staff. This new SimApp allows quick turn-around time regarding product capabilities, empowering the gearbox OEM in the market, while also providing feedback to the engineering team for refinement of future designs.

Comet, ADET and SMT will be exhibitors at GEAR EXPO 2015. Comet and ADET will be in booth 1311, SMT in booth 2207. Please visit our booth's and run the new Gearbox Durability SimApp live!

Until next time,

Joe Walsh

CEO

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