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Editor's Pick: ESI Releases Virtual Performance Solution 2010

Multi-domain analysis with a single-core model.

by Anthony J. Lockwood | Published July 21, 2010

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Dear Desktop Engineering Reader:



July is generally a slow month for new product introductions, kind of making it like panning for gold for editors. This July has been different, so I struggled a bit to decide what's the coolest announcement the past few days. I eventually settled on ESI Group's 2010 version of its Virtual Performance Solution. This is a good one for those of you designing for the transportation-related industries as well as consumer products like washing machines and stuff. How come? Because it brings together your work in a rational way so that you can focus on your work and not your tools.

The Virtual Performance Solution embraces a lot of things, such as gold-standard tools like PAM-CRASH. But what it really provides you is an integrated simulation environment. That is what makes it so cool. And so does this: You work across multiple analysis domains with a single core model – not different models for every load case. This streamlines your workflow, saving time and money by reducing the number of individual solvers you have to deploy and all that model re-creation business.

Virtual Performance Solution enables you to use both explicit and implicit solvers for such mechanical analyses as static linear and dynamics analysis. NVH, structural crash, impact, occupant safety, motion, thermal, and others familiar names like that are all within the purview of the Virtual Performance Solution and available to you from its visual environment.

The net effect for your outfit is that it lets you compress time to market by enabling you to simulate and reduce the number of all those expensive, time-consuming physical tests for regulatory approvals, failure analysis, standard usage, and so forth. The net effect for you personally is that you can focus on engineering instead of fussing around getting ready to do some engineering.

Virtual Performance Solution also lets you draw on at library of crash dummies, human models, and so on. It is accommodating to third-party products that you favor. Again, everything brought together. And, your IT staff will love this, it requires a single software installation.

You can read more about ESI Group's Virtual Performance Solution in **today's Pick of the Week write-up**. There's a link to a brochure as well as a short, registration-free video that explains more about what it can mean to your organization. Take a few minutes on a slow, hot July day to learn about this cool product. You'll be glad you did.

Thanks, Pal. -- Lockwood

Anthony J. Lockwood
Editor at Large, Desktop Engineering

Read today's Pick of the Week write-up.

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