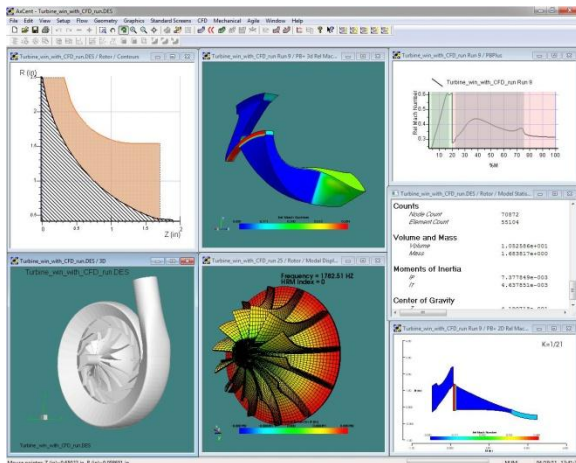


CONCEPTS NREC

**NEWS RELEASE
FOR IMMEDIATE RELEASE**

Concepts NREC Ships Upgraded Agile Engineering Design System® with Integrated Finite Element Analysis

With more than 250 feature enhancements, software system reflects company's full-range expertise in turbomachinery systems engineering, design, manufacturing and test/analysis



White River Junction, Vt. – October 26, 2011 – [Concepts NREC \(CN\)](#), a world leader in turbomachinery design, research, engineering and manufacturing, is shipping the 2011 version of [Agile Engineering Design System](#) (AEDS 2011) software. In just two years, [CN](#) has made more than 250 feature enhancements that have significantly improved the design process with reduced design cycle times, increased performance prediction accuracies, more accurate geometric three-dimensional (3D) representations of stage components (particularly for volutes), and tighter integration of codes. One of the most significant

enhancements is [CN's](#) new [Pushbutton FEA™](#) module for finite element analysis (FEA). Engineers and original equipment manufacturers working on turbomachinery will have unmatched capabilities with [CN's](#) AEDS 2011.

“Better than any previous version, [CN's](#) AEDS 2011 software system showcases our company's expertise in turbomachinery systems engineering, design, manufacturing and test/analysis,” says Colin Osborne, Senior VP Software and Chief Engineer of Concepts NREC. “We are the industry's true one-stop shop for all turbomachinery needs.”

For the first time, [CN's](#) AEDS 2011 software fully integrates the stress preparation code, STRESSPREP, into [AxCent™](#) and adds an FEA solver in order to calculate or perform static, thermal and modal analysis earlier in the design process. This allows the aerodynamic and mechanical design to be conducted simultaneously thereby significantly reducing design cycle times. In addition, in PushbuttonFEA, STL, STEP and improved IGES file export have been implemented.

Other AEDS 2011 Highlights

The more than 250 feature enhancements in CN's AEDS 2011 software address user needs across all aspects of turbomachinery to help design compressors, pumps, turbines, fans and blowers. Other highlights include:

- Enhancements in meanline codes, including [TurboMatch™](#), which provides users with the ability to lay out and analyze a turbocharger design that is optimally matched to the specific engine system.
- Added capabilities in the 3D geometry engine, AxCent, including volutes.
- Significant improvements in CFD gridding and runtimes.
- Advanced application of the optimization tool, [TurboOpt II™](#).

About Concepts NREC

Concepts NREC is a leading worldwide organization providing turbomachinery design, engineering, manufacturing and CAE/CAM software, with a staff of 100+ professionals at its facilities in Wilder, Vt., and Woburn, Mass. For over half a century, Concepts NREC has provided manufacturers, users, government agencies and the engineering community with technology tools, services and products that have met their needs, helped achieve their goals and aided in development and production of some of the world's most advanced products. Concepts NREC is headquartered at 217 Billings Farm Road, White River Junction, VT, 05001-9486. Telephone: 802-296-2321. Facsimile: 802-296-2325. For more information, go to: www.ConceptsNREC.com.

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Photo Caption: *Concepts NREC's integrated finite element analysis (FEA) tools can be used to perform static, thermal and modal analysis earlier in the design process than ever before.*

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