



**FOR IMMEDIATE RELEASE**

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## **Purdue University's High-Speed Compressor Research Laboratory Using Concepts NREC's CAE Design Software**

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**White River Junction, VT, USA – March 20, 2017** — Concepts NREC and Purdue University are pleased to announce a new strategic partnership aimed at advancing the state of the art of turbomachinery design software. Researchers and students at the High-Speed Compressor Research Laboratory at Purdue will use Concepts NREC's Agile Engineering Design System® to generate and evaluate new designs for axial and centrifugal compressors. The software suite will help researchers and students advance their exploration into ways to increase the performance and durability of compressors.

This partnership provides tremendous benefits to all parties. The lab will have access to industry-leading Computer-aided Engineering software specialized for turbomachinery including COMPAL® and AxCent®, students will get experience on software used by many global companies, and Concepts NREC will gain valuable feedback on ways to add functionality to its software based on the lab's cutting edge research.

According to John Fabian, Senior Research Scientist, "We needed software to design and analyze turbomachinery to complement our experimental capabilities. We decided to work with Concepts NREC because of their extensive experience in turbomachinery design and the advanced capabilities of their software."

Peter Weitzman, VP and General Manager of the software business at Concepts NREC commented, "We are looking forward to a strong collaboration with Purdue University to advance the state of the art in turbomachinery design. It is something that Concepts NREC has pursued for over 60 years and the reason we work with so many of the top research universities in the world."

### **About Concepts NREC**

For over 60 years, Concepts NREC has been a strategic partner to many of the world's leading turbomachinery companies. We are the only company in the world that offers a complete in-house solution - from initial concept through design software, manufacturing, testing, and installation. To learn more visit [www.conceptsnrec.com](http://www.conceptsnrec.com).

### **About the Agile Engineering Design System**

Concepts NREC's Agile Engineering Design System® is a complementary suite of programs for Computer-Aided Engineering (CAE) and Computer-Aided Manufacturing (CAM) that covers the entire design process — from preliminary sizing through fluid dynamics and mechanical stress and vibration analysis. Final designs are easily imported into our industry-leading CAM software, MAX-PAC™, to create efficient 5-axis machining strategies. To learn more visit our [software page](#).

### **About Purdue University**

Purdue University is ranked in the top 10 for both Undergraduate and Graduate Engineering Schools. Purdue University is a top public research institution that offers higher education at its highest proven value. Committed to affordability, the University has frozen tuition and most fees at 2012-13 levels. Committed to student success, Purdue is changing the student experience with greater focus on faculty-student interaction and creative use of technology. Committed to pursuing scientific discoveries and engineered solutions, Purdue has streamlined pathways for faculty and student innovators who have a vision for moving the world forward. To learn more visit [www.purdue.edu](http://www.purdue.edu).

### **About the High-Speed Compressor Research Laboratory**

Research in the Purdue High-Speed Compressor Research Laboratory is targeted toward understanding the effects of blade row interactions on compressor performance and durability in both axial compressors and centrifugal compressors. To learn more visit their [homepage](#).