



FOR IMMEDIATE RELEASE

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Version 8.7 of the Agile Engineering Design System® Released

Helps users design and manufacture higher-performance turbomachinery in less time

White River Junction, VT, USA – December 12, 2018 — [Concepts NREC](#), the world's leading turbomachinery software, design, development, testing and manufacturing company, is proud to announce the release of version 8.7 of its [Agile Engineering Design System®](#). The Agile Engineering Design System is a single environment of software modules for designing and manufacturing turbomachinery. The system seamlessly transfers data between modules and enables our customers to optimize their designs, based on the impact to cost, machining time, and performance.

The 8.7 release features new capabilities in every module, with a focus on making the software easier to use, faster, and more accurate. This release also expands the types of components that can be designed, optimized and manufactured. One of the new capabilities in v8.7 is the ability to design and model labyrinth seals in secondary flow passages as well as radial turbine twin scrolls. Another feature is the automated meshing and CFD solutions, in our [FINE/Agile™](#) product, have been extended to include virtually all geometry that [AxCent®](#) can generate. Our [TurboOPT II™](#) link has been enhanced, allowing for the optimization of mechanical geometry, casing treatments, volutes and cooled turbine geometry. Version 8.7 also includes the first functionality to design and analyze impellers with hollow geometry, made possible by additive manufacturing.

Version 8.7 of our CAM software, [MAX-PAC™](#), closes the gap between specialized CAM for turbomachinery and the capabilities of a general-purpose CAM package. Many general CAD features to create and analyze geometry inside of [MAX-PAC](#) have been added. Other upgrades include tool import from CAD models, new barrel cutter finishing options, and more flexible finishing strategies for impellers and blisks.

“Designing and manufacturing turbomachinery is an extremely complex process,” explains Dr. Peter Weitzman, President of Agile Engineering Software at [Concepts NREC](#). “We have been working for decades to create a robust, integrated, full-featured software environment that gives our Customers a real competitive edge when designing their new products. We will showcase the new features in a Webinar on January 9, 2019, that people can register for on our website.

Version 8.7 is available for immediate download for users on active Agile Product Support (APS).

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 "Art-to-Part" solution, from initial concept through design, software, manufacturing, testing and installation.

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 can be easily imported into our industry-leading CAM software, MAX-PAC™, to create efficient 5-axis machining strategies.

To learn more, visit our website at www.conceptsnrec.com.

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