CONCEPTS NREC

NEWS RELEASE
FOR IMMEDIATE RELEASE

Concepts NREC Announces TurboMatch™

Turbocharger Design System software to be the first commercially available solution that optimally matches a turbocharger design to the specific engine system

White River Junction, VT. – August 10, 2010 – Concepts NREC (*CN*), a world leader in turbomachinery design, research, engineering, and manufacturing, today announces TurboMatch™, a new software product designed to fill the engineering design gap between engines and turbochargers. TurboMatch is the first commercially available software that allows advanced compressor and turbine design as part of an overall engine system. The integrated approach accommodates the complex interaction between the system components to create the most effective, low-emission machines possible. Original equipment manufacturers (OEMs), diesel and gas engine companies and organizations that provide turbocharger design and engineering services will benefit from the extensive expertise *CN* applied in developing TurboMatch.

Concepts NREC will host a webinar September 2 to demonstrate how TurboMatch is used to cut design times from weeks to a few days by taking the place of what traditionally has been done using trial-and-error and custom in-house tools. To register for the Concepts NREC TurboMatch webinar go to: http://tinyurl.com/2bwqlak.

"Concepts NREC works with all the major turbocharger manufacturers," says Dr. Nick Baines, Distinguished Corporate Fellow at Concepts NREC and author of the book, *Fundamentals of Turbocharging*. "In talking with our customers, we perceived increasing demand for turbocharger systems that accommodate smaller engine sizes and lower emissions standards. There was a missing link between design of a turbocharger and the overall engine system."

TurboMatch gives anyone responsible for the design, specification or building of turbocharged engines an accurate, fast and easy-to-use tool for developing products that meet tightening emissions standards and regulations. For example, in the Design mode, users can size the compressor and turbine to meet the required engine size and boost pressure, and automatically match the power and rotational speed of the two components.

User benefits of TurboMatch include having the ability to:

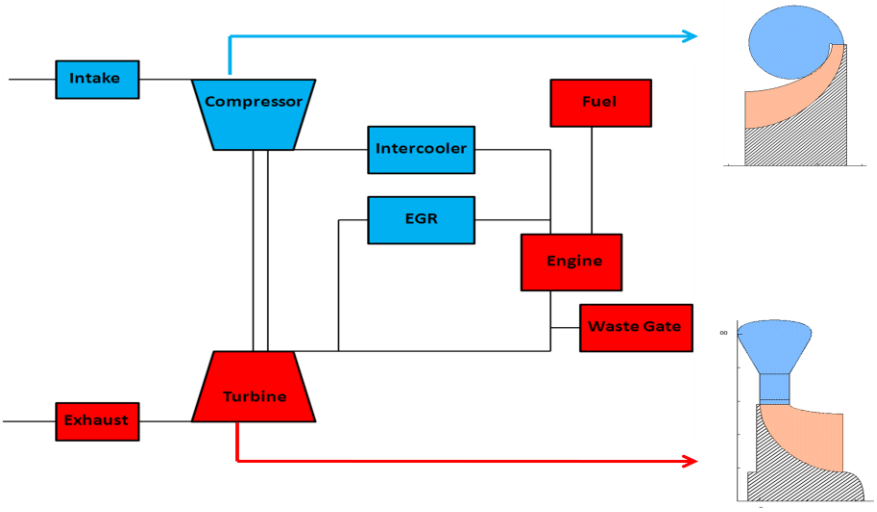
- Select a turbocharger to match a given engine.
- Design new turbochargers with assurance of engine matching at every design stage.
- Readily change compressor and turbine sizes then predict the effect on the match.
- Rapidly make a preliminary optimization of the turbocharging system.

- Study the effect of waste gates, variable geometry, exhaust gas recirculation (EGR) and component losses on the match and performance.

TurboMatch is part of a Turbocharger Design System and works in conjunction with Concepts NREC's Agile Engineering Design System® software for turbomachinery design and analysis.

Availability and Purchasing
TurboMatch software for Concepts NREC's Turbocharger Design System is available now for distribution via the company's worldwide sales offices and authorized distributors. For more information about this software, go to: http://www.conceptsnrec.com/Solutions/CAE/CAM-Software/Turbomatch.aspx. For a list of sales contacts and distributors, go to http://www.conceptsnrec.com/Corporate.aspx.

About Concepts NREC
Concepts NREC is a leading worldwide organization providing turbomachinery design, engineering services, manufacturing, and CAE/CAM software, with a staff of over 100 professionals at its facilities in Wilder, VT, and Woburn, MA. For more than 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.



Perform preliminary design of compressor and turbine in context of a turbocharger system

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