AspenTech Launches New Generation of Applications for Heat Exchanger Design, Rating and Simulation

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Versatile new tools incorporate industry-leading technologies from Aspen HTFS(TM) and Aspen B-JAC(TM), and deliver optimized designs, reduced operating costs and significant capital savings

Aspen Technology, Inc. (Nasdaq: AZPN) today announced the availability of its new generation of applications for the design, rating and simulation of heat exchangers. Aspen Tasc+(TM), for shell & tube heat exchangers, and Aspen Acol+(TM), for air-cooled heat exchangers, combine the best of the industry-leading technologies from Aspen HTFS and Aspen B-JAC, and represent a major step forward for thermal and process engineers.

The new applications provide engineers with versatile tools for optimizing heat exchanger design and simulating their performance. Sophisticated optimization logic enables the user to select the optimum design for the specified process conditions, resulting in typical savings of 10--30 percent on the capital cost per heat exchanger. The applications can also be integrated with the Aspen Plus(R) and Aspen HYSYS(R) process simulation tools, allowing evaluation of heat exchanger performance as part of an overall plant or process. This approach can deliver optimized operations with higher productivity and lower operating costs, in addition to significant capital savings at the design phase for new and upgraded processes.

"These new generation applications are built on AspenTech's strong heritage in heat exchanger design and simulation, including the exceptional knowledge generated by the Aspen HTFS Research Network(TM)," said Blair Wheeler, Senior Vice President, AspenTech. "We firmly believe that Aspen Tasc+ and Aspen Acol+ will set the standard for ease of use and will enable true concurrent engineering. Their comprehensive interfaces to Aspen Plus(R), Aspen HYSYS(R) and Aspen Teams(R) facilitate efficient collaboration between the key engineering disciplines involved in front-end and detailed engineering of the process plant."

Aspen Tasc+ for shell & tube heat exchangers

Aspen Tasc+ provides a comprehensive tool for the thermal design, rating and simulation of shell & tube heat exchangers. The new application integrates the best features from AspenTech's previous offerings for shell & tube heat exchangers, Aspen Hetran(R) and Aspen TASC(TM), and is designed for service across the process industries including oil & gas, chemicals and power. A bi-directional interface with Aspen Teams(R) enables users to perform the complete mechanical design for all shell & tube types.

Key product features include:

- -- New powerful design optimization capabilities
- -- High-level run-time interfaces with Aspen Plus and Aspen HYSYS
- -- Aspen Properties(R), Aspen COMThermo(R) and Aspen B-JAC property databases
- -- Interfaced to Koch Heat Transfer (formerly Brown Fintube) Twisted Tube Exchanger modeling
- -- Improved low-fin methods
- -- Extended vibration analysis including HTFS and TEMA methods.

Aspen Acol+ for air-cooled heat exchangers

Aspen Acol+ uses the best features of Aspen ACOL(TM) and Aspen Aerotran(TM) to provide a complete application for the thermal design, rating and simulation of air-cooled and other cross-flow heat exchangers. This versatile tool can be applied in a wide variety of process industries as well as by engineering contractors and equipment fabricators. The application can handle a broad range of exchanger services, from multi-component condensing to boiling heat recovery and de-humidifying.

Key product features include:

- -- New powerful design optimization capabilities
- -- High-level run-time interfaces with Aspen Plus and Aspen HYSYS
- -- Aspen Properties, Aspen COMThermo and Aspen B-JAC property databases
- -- Reflux condensation passes (A-frame modeling)
- -- Performance evaluation from fan curve specification
- -- Improved fin-tube methods from Aspen HTFS+ Research.

Aspen Tasc+ and Aspen Acol+ are introduced as part of aspenONE(TM) 2004 Update 2 and are now available.

About AspenTech

Aspen Technology, Inc. provides industry-leading software and professional services that help process companies improve efficiency and profitability by enabling them to model, manage and control their operations. AspenTech's integrated aspenONE(TM) solutions are aligned with the key industry business processes, providing manufacturers the capabilities they need to optimize operational performance, make real-time decisions and synchronize the plant and supply chain. Over 1,500 leading companies already rely on AspenTech's software, including Bayer, BASF, BP, Chevron Corporation, DuPont, ExxonMobil, Fluor, GlaxoSmithKline, Sanofi-Aventis, Shell, and Total. For more information, visit www.aspentech.com.

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