

PRESS RELEASE

Exa PowerFLOW Reduces Aerodynamic Drag by 30% on America's #1 Solar Car

BURLINGTON, MA, USA [October 13, 2011]— Exa[®] Corporation, a global innovator of fluids simulation solutions for product engineering announced that America's #1 solar car, the University of Michigan Quantum, has been dramatically optimized with Exa PowerFLOW and is prepared for the World Solar Car Challenge race in Australia this month. Using Exa's PowerFLOW software, engineers achieved a 30% drag reduction compared to the previous car, resulting in an overall drag value below 0.1.

In order to design the most efficient solar car, the team chose Exa's PowerFLOW software to analyze and optimize the aerodynamics on this new, lighter vehicle to ensure the drag values reached ultra aerodynamic levels (less than .1). "Our work with Exa has opened a new chapter in the processes by which the aerodynamics of the vehicle are developed. By collaborating with Exa and using their suite of simulation tools, Quantum will be the most aerodynamic solar vehicle in the US, and potentially the world," remarked Chris Hilger, Business Director for team.

"We work each day helping global leaders find additional efficiency in their vehicles with our PowerFLOW software suite," commented Dr. Brad Duncan, Director of Aerodynamics for Exa. "It is refreshing to see how these student engineers, who already understand the capabilities PowerFLOW affords them, virtually optimized and tested this highly efficient vehicle to achieve an unprecedented 30% improvement. This team has already won six national championships, I see nothing to prevent them from winning the World Championship." The University of Michigan team is counting on its new, 200-pound lighter car with improved aerodynamics to bring home global recognition for their efforts with the win in Australia this month.

About the University of Michigan Solar Car Team
Please visit: www.umsolar.com



About Exa Corporation

Exa Corporation develops, sells and supports fluid dynamics simulation software and services to enhance product performance, reduce product development costs and improve the efficiency of design and engineering processes. Our simulation solutions enable our customers to gain crucial insights about design performance early in the design cycle, thus reducing the likelihood of expensive redesigns and late-stage engineering changes. As a result, our customers realize significant cost savings and fundamental improvements in their engineering development process. Our products include, PowerFLOW[®], PowerDELTA[®], PowerCLAY[®], PowerVIZ[®], PowerSPECTRUM[®], PowerACOUSTICS[®], PowerINSIGHT[®], PowerCOOL[®] and PowerTHERM[®] along with professional engineering consulting services. A partial customer list includes: AGCO, BMW, Ford, Hyundai, Kenworth, MAN, Nissan, Peterbilt, Renault, Scania, Toyota, Volkswagen, and Volvo Trucks.

Founded in 1991, the company is headquartered at 55 Network Drive, Burlington, MA, USA 01803. Tel: 1.781.564.0200; Fax: 1.781.564.0299; Email: info@exa.com; URL: www.exa.com

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