

QUANTUM TECHNOLOGIES

PRESS RELEASE

U.S. Army to Showcase Quantum's Technologies at SAE World Congress

Irvine, CA – March 29, 2006 – Quantum Fuel Systems Technologies Worldwide, Inc., (Nasdaq: QTWW) today announced that the U.S. Army will be featuring Quantum's technologies at the 2006 Society of Automotive Engineers (SAE) World Congress in Detroit, Mich. April 3-6 at Cobo Hall, in Booth #701. Quantum's technologies on display include the Aggressor Alternative Mobility Vehicle (AMV), the HyHauler Plus™ Mobile Hydrogen refueling station, and the recently announced Hydrogen Ford Escape Hybrid sport utility vehicle concept.

The Aggressor - Alternative Mobility Vehicle

The Aggressor AMV is a light-duty high-performance Special Operations-style off-road fuel cell hybrid vehicle. The AMV utilize a modular design approach that facilitates integration of different hybrid powertrains and application-specific variants. The AMV can be tailored for the mission it needs to accomplish. The Aggressor demonstrates the military benefits of fuel cells and advanced hybrid electric drivetrain technologies with high-performance, exportable power, low thermal and auditory signatures, and zero emissions.

HyHauler Plus™ - Mobile Hydrogen Infrastructure

The HyHauler Plus™ transportable hydrogen refueling station represents the first embodiment of Quantum's Mobile Hydrogen Infrastructure program with the U.S. Army to demonstrate "in-time" solutions to meet emerging hydrogen fuel demand as fuel cell technologies are deployed throughout the military as part of the 21st Century Base initiative. The HyHauler Plus™ is a trailer-mounted hydrogen fuel dispensing system for hydrogen and fuel cell vehicles, specifically designed for fast-fills. For replenishment, the system uses an on-board electrolyzer to generate hydrogen from water with electricity. An on-board compressor refills the storage/cascade tanks. The HyHauler Plus™ comprises state-of-the-art Quantum TriShield™ composite hydrogen tanks, easy-to-use dispensing system, on-board operator interface and it all fits in a self-contained enclosed twin-axle all-weather car-trailer.

Hydrogen Ford Escape Hybrid Concept

Quantum is developing the Hydrogen Ford Escape Hybrid sport utility vehicle in conjunction with the U.S. Army for use as an administrative vehicle as well as a hydrogen technology demonstrator. Hybrid electric vehicles, such as the Ford Escape Hybrid, converted to run on hydrogen, are practical and cost-effective, and provide a bridge to the commercialization of fuel cell vehicles. Hydrogen hybrids are energy efficient and have the potential to virtually eliminate VOC, CO, and CO₂, and significantly reduce NO_x and other toxic emissions associated with vehicles. Quantum is developing its H2Hybrid package, including an advanced hydrogen storage system, fuel injection system and electronic controls required for the Hydrogen Ford Escape Hybrid to be transparent to the user. The H2Hybrid package includes an electronic multi-point hydrogen injection system, turbocharger and intercooler, compressed hydrogen fuel storage module, hydrogen fuel delivery system and Federal Motor Vehicle Safety Standards (FMVSS) crashworthy design and validation.

"We are proud that the U.S. Army will be showcasing Quantum's technologies in their booth at the SAE World Congress," said Alan P. Niedzwiecki, President and CEO of Quantum. "We are pleased that our successes with the U.S. Army are leading to new opportunities for our hydrogen and hybrid vehicle technologies. The Aggressor, HyHauler Plus™, Hydrogen Hybrid Prius and, now, the Hydrogen Ford Escape Hybrid are generating widespread interest, with inquiries from around the world for cost-effective hydrogen vehicles and modular infrastructure solutions."

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About Quantum:

Quantum and its subsidiary, Tecstar Automotive Group, are leaders in powertrain engineering, system integration, and manufacturing of packaged fuel systems and accessories for specialty vehicles and applications including fuel cells, hybrids, alternative fuels, hydrogen refueling, new body styles, mid-cycle vehicle product enhancements and high performance engines and drive trains for OEMs and consumers of aftermarket parts and accessories. Quantum also designs and manufactures hybrid and fuel cell vehicles.

Quantum has product commercialization alliances with General Motors, AM General, and Sumitomo. Quantum's customer base includes General Motors, Toyota, Opel, Hyundai, Suzuki, Ford, DaimlerChrysler, AeroVironment, and the U.S. Army.

More information can be found about Quantum's products and services at www.qtw.com.

About the NAC

The National Automotive Center (NAC), founded in 1992, is the Department of Defense/ Army focal point for collaborative ground vehicle research and development. The NAC, located at the Tank-automotive and Armaments Command (TACOM), is an integral part of the Army's Tank-Automotive Research, Development and Engineering Center (TARDEC). The NAC serves as a catalyst linking industry, academia and government agencies in the development and exchange of automotive technologies. The NAC leverages government, commercial industry and academia R&D investments, and initiates shared automotive technology programs. Its primary focus is to benefit current and future military ground vehicle systems through: performance improvements, service life extensions, and reduction in ground vehicle design / manufacturing / production / operation / support costs.

Forward Looking Statements

Except for historical information, the statements, expectations, and assumptions contained in the foregoing press release are forward-looking statements. Such forward-looking statements include, but are not limited to, the Company's expectations regarding expected future revenues and operating results; future opportunities for Quantum; the Company's ability to fulfill orders in the future; and other statements about the future expectations, beliefs, goals, plans, or prospects expressed by management. Such statements are subject to a number of risks and uncertainties, and actual results could differ materially from those discussed in any forward-looking statement. Factors that could cause actual results to differ materially from such forward-looking statements include, among other factors, prevailing market conditions; the Company's ability to design and market automotive products; the Company's ability to meet customer specifications and qualification requirements; availability of component parts and raw materials that meet the Company's requirements; and the Company's ability to source alternative materials and suppliers. Reference should also be made to the risk factors set forth from time to time in the Company's SEC reports, including but not limited to those contained in the section entitled "Risk Factors" in the Company's Annual Report on Form 10-K for the fiscal year ended April 30, 2005. The Company does not undertake to update or revise any of its forward-looking statements even if experience or future changes show that the indicated results or events will not be realized.

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