

QUANTUM TECHNOLOGIES

PRESS RELEASE

Quantum's All-Wheel-Drive Diesel Hybrid Military Vehicle Highlighted by US Army at Detroit Auto Show

Irvine, CA – January 15, 2010 – Quantum Fuel Systems Technologies Worldwide, Inc., (NASDAQ: QTTW) today announced that its Clandestine Electric Reconnaissance Vehicle (CERV) all-wheel-drive diesel hybrid electric vehicle was proudly displayed by the U.S. Army Tank Automotive Research, Development and Engineering Center (TARDEC) at the 2010 North American International Auto Show (NAIAS) in Detroit where over 50,000 visitors are expected to participate. TARDEC, the U.S. Army's lead organization for ground vehicle systems integration, engineering and technology development, was a key partner in the development of CERV and as the owner and operator of the world's largest fleet of ground vehicles, has long been a strong proponent of quickly adopting new technologies which advance the Army's vehicle capabilities and transitioning them to volume use to ensure our troops have the best tools available.

The CERV was jointly designed by Quantum and TARDEC's National Automotive Center (NAC) with funding support from the US Special Operations Command (USSOCOM). It was designed for quick-paced mobility operations such as reconnaissance, surveillance and target designation. The CERV pairs Quantum's 2nd generation advanced all-wheel-drive diesel hybrid electric powertrain (Q-Force) with a light-weight chassis to produce a torque rating that exceeds 5,000 foot-pounds. The unit can maintain speeds of 80 miles per hour and climb 60 percent grades – all while reducing fuel consumption by up to 25 percent compared with conventional vehicles of comparable size.

"We are excited to have the opportunity to support the US Army by providing advanced hybrid vehicles such as our CERV which demonstrate the exceptional performance, efficiency, and reliability of our Q-Force system," said Alan P. Niedzwiecki, President and CEO of Quantum. "Hybridization of the largest fleet in the world would put the best tools in our troop's hands while greatly reducing emissions and dependence on foreign petroleum. Using 25% less fuel will also substantially reduce the number of resupply vehicles, eliminating the need to put these people in harm's way."

About Quantum:

Quantum Fuel Systems Technologies Worldwide, Inc., a fully integrated alternative energy company, is a leader in the development and production of advanced propulsion systems, energy storage technologies, and alternative fuel vehicles. Quantum's portfolio of technologies includes electronic controls, hybrid electric drive systems, hydrogen storage and metering systems and alternative fuel vehicle technologies that enable fuel efficient, low emission hybrid, plug-in hybrid electric, fuel cell, and alternative fuel vehicles. Quantum's powertrain engineering, system integration, vehicle manufacturing, and assembly capabilities provide fast-to-market solutions to support the production of hybrid and plug-in hybrid, hydrogen-powered hybrid, fuel cell, natural gas, and specialty vehicles, as well as modular, transportable hydrogen refueling stations. Quantum's customer base includes automotive OEMs, dealer networks, fleets, aerospace industry, military and other government entities, and other strategic alliance partners.

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

Forward Looking Statements:

This press release contains forward looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. All statements included in this report and the documents that we incorporate by reference, other than those that are historical, are forward-looking statements and can generally be identified by words such as "may," "could," "will," "should," "assume," "expect," "anticipate," "plan," "intend," "believe," "predict," "estimate," "forecast," "outlook," "potential," or "continue," or the negative of these terms, and other comparable terminology. Various risks and other factors could cause actual results, and actual events that occur, to differ materially from those contemplated by the forward looking statements. The Company undertakes no obligation to update the information in this press release to reflect events or circumstances after the date hereof or to reflect the occurrence of anticipated or unanticipated events.

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