

QUANTUM TECHNOLOGIES

PRESS RELEASE

Quantum Awarded \$14.5 Million Development Program to Advance and Integrate Q-Drive System for Fisker Automotive

Irvine, CA – February 19, 2008 – Quantum Fuel Systems Technologies Worldwide, Inc. (NASDAQ: QTWW) announced today that it has received a \$14.5 million program from Fisker Automotive, Inc. to advance and integrate Quantum's proprietary high-performance plug-in-hybrid electric vehicle ("PHEV") architecture – known as "Q-Drive" – for the Fisker Karma four-door sport sedan production model.

The Q-Drive system has evolved over five years of innovation and development at Quantum. Quantum's Q-Drive system takes full advantage of the performance potential of electric drive systems while achieving high fuel mileage and low emissions through its integrated plug-in hybrid electric design. Benefits of Quantum's drive system include optimized fuel efficiency and superior performance, unchanged gas station infrastructure, and convenient battery recharging with any 110-volt outlet, 220/240-volt fast-charging, or using Quantum's solar energy powered re-charging station. Quantum's Q-Drive PHEV system will allow Fisker drivers to drive emission free for up to 50 miles a day following convenient at-home recharging every evening at a gasoline-equivalent price of \$0.75 cents.

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This contract initiates the integration of Quantum's Q-Drive system into a unique chassis that will enable optimizing the performance and vehicle dynamics for each of the models in Fisker's line of premium luxury green cars. Additional efforts are anticipated for Quantum to complete the development, testing, and validation of the integrated Q-Drive system to meet all automotive industry, safety, and emissions standards to be able to put the Fisker sedan into the hands of consumers.

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"We are pleased to be working in partnership with the engineering team at Fisker to bring their innovative design to market," said Alan P. Niedzwiecki, the President and CEO of Quantum. "The new Fisker hybrid sports sedan, unveiled at the North American International Auto Show in January, has generated much interest from the automotive industry, media, and consumers. This contract enables Quantum to accelerate and commercialize the Quantum Q-Drive system into the new Fisker Karma luxury hybrid sports sedan to meet the growing demand for this new class of 'green' vehicles."

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 advanced lithium-ion battery systems, electronic controls, hybrid electric drive systems, hydrogen storage and metering systems, and alternative fuel 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, alternative fuel, 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.

Quantum has also formed a new company with Fisker Coachbuild, LLC, which is called Fisker Automotive, Inc. Fisker Automotive will offer a range of environmentally friendly premium cars, incorporating Quantum's proprietary high-performance plug-in-hybrid electric vehicle architecture, known as "Q-Drive," into a unique chassis that will enable optimizing the performance and vehicle dynamics.

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

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 complete and integrate the Q-Drive system; 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, the Company's ability to integrate its technology, program timing, etc. 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, 2007. 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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