

QUANTUM TECHNOLOGIES

PRESS RELEASE

Quantum Achieves Major Milestone as Affiliate's Fisker Karma Plug-In-Hybrid Makes Public Driving Debut at Laguna Seca Racetrack

Irvine, CA , August 18, 2009 – Quantum Fuel Systems Technologies Worldwide, Inc. (“Quantum”) (NASDAQ: QTWW) today announced that its affiliate company Fisker Automotive made its Karma PHEV’s driving debut over the weekend, just 19 months after being introduced as a concept.

The 403hp Karma Plug-in Hybrid Electric Vehicle (PHEV) attained a speed of 100 mph, but used no gasoline as it made its way around Mazda Raceway Laguna Seca during the Rolex Monterey Historic Automobile Races.

The Fisker Karma can reach 60mph in six seconds and has a top speed of 125mph, while also achieving well over 100mpg. Carbon emissions are also lower than today’s hybrids. The Karma proves that fuel-efficient, low-emission vehicles can also generate the passion and excitement that made us fall in love with cars in the first place.

The Karma PHEV’s clean *Q-Drive* powertrain was designed and engineered by Quantum at its Advanced Vehicle Concepts Center located in Lake Forest, California. *Q-Drive* delivers a peak torque of 959 foot-pounds, and incorporates a number of innovations in energy storage, electric drive architecture and control strategies. The Karma has a range of 50 emission-free miles on a full charge of its Lithium-ion battery, and a total range of 300 miles thanks to an on-board generator coupled to a traditional but efficient 260hp, four-cylinder gasoline engine.

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“Our team has more than a decade of experience in developing innovative technologies designed for high volume production”, commented Alan P. Niedzwiecki, President and CEO of Quantum. “We are pleased at the progress of development and validation of the *Q-Drive* architecture, which delivers the ultimate combination of performance, range and efficiency”.

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About Quantum

Quantum Fuel Systems Technologies Worldwide, Inc. (NasdaqGM: QTWW), 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.

More information can be found about Quantum's products and services at <http://www.qtww.com>

About Fisker

Fisker Automotive is a privately owned luxury premium hybrid car company co-founded by Quantum Technologies and Fisker Coachbuild LLC, with Henrik Fisker as the CEO. The company has backing from Kleiner Perkins Caufield & Byers, Palo Alto Investors and Qatar Investment Authority. More information can be found online at www.fiskerautomotive.com.

Forward-Looking Statements

This press release includes forward-looking statements that are based on certain assumptions and reflect our current expectations and beliefs. Any statements that are not statements of historical fact should be considered to be forward-looking statements. These statements generally include 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. Such forward-looking statements involve known and unknown risks, uncertainties and other important factors that could cause the actual results, performance or achievements to differ materially from any future results, performance, or achievements discussed or implied by such forward-looking statements. These forward-looking statements include statements regarding our ability to manage production validation of the *Q-Drive* for the Fisker Karma and our plan to supply powertrains to Fisker Automotive, and other risks, some of which are discussed in our reports filed with the Securities and Exchange Commission (the "SEC") under the caption Risk Factors and elsewhere, including our annual report on Form 10-K for the fiscal year ended April 30, 2008, and our quarterly reports on Form 10-Q for the quarters ended July 31, 2008, October 31, 2008 and January 31, 2009. Any forward-looking statement is qualified by reference to these risks, uncertainties and factors. Forward-looking statements speak only as of the date of the document in which they are made and are based on the beliefs, opinions, and expectations of the Company's management as of the date they are made. These risks, uncertainties and factors are not exclusive, and Quantum undertakes no obligation to publicly update or revise any forward-looking statements to reflect events or circumstances that may arise after the date of this press release, except as required by law.

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