

QUANTUM TECHNOLOGIES

PRESS RELEASE

Quantum Acquires Stake in Advanced Lithium Ion Battery Company

Irvine, CA – April 3, 2006 – Quantum Fuel Systems Technologies Worldwide, Inc. (NASDAQ: QTWW) today announced that it has acquired a 19.9% stake in Vancouver, British Columbia-based Advanced Lithium Power Inc. (ALP), a newly formed company developing leading-edge lithium ion and advanced battery control systems whose primary asset is intellectual property.

ALP is developing state-of-the-art lithium ion battery and control systems that control state-of-charge and provide for thermal management, resulting in high-performance energy storage. ALP's breakthrough technology has significant opportunities and applications in hybrid electric vehicles, fuel cell vehicles, uninterruptible power supplies, and energy storage for renewable energy, such as solar photovoltaic applications.

ALP's technology enables the inherent advantages of lithium ion batteries, high specific energy, no memory and limited self-discharge, to be implemented in today's mainstream hybrid electric vehicles, coming plug-in hybrid electric vehicles, and future fuel cell vehicles. ALP's advanced lithium ion battery packs are designed to be smaller and lighter than current nickel metal hydride batteries used in hybrid electric vehicles, thus providing the opportunity to increase vehicle fuel efficiency by reducing vehicle weight and improving packaging flexibility. The technology has the potential to play a major role in future fuel cell vehicles by enabling the use of smaller, more cost-effective fuel cells in a hybrid configuration and, thereby, allow for significant cost reductions in fuel cell vehicles.

Working in concert with ALP, Quantum will utilize its strong automotive OEM skills in packaging, integration, and manufacturing expertise to develop integrated advanced lithium ion battery packs for near-term applications, including hybrid electric vehicles, uninterruptible power supplies, and solar photovoltaic energy systems, as well as emerging fuel cell vehicles. Quantum will be able to integrate ALP's lithium ion battery technology with its state-of-the-art hydrogen storage systems to provide complete energy storage solutions for fuel cell vehicles.

"This technology supports Quantum's strategic initiatives in hybrid electric and fuel cell vehicles and complements our growing military applications," said Alan P. Niedzwiecki, President and CEO of Quantum. "We believe that this is an important technology with enormous potential to penetrate into today's hybrid electric vehicle market as well as solar photovoltaic energy systems, and uninterruptible power supplies. It also positions Quantum to be a single source for energy storage solutions for hydrogen hybrid and fuel cell vehicles."

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,

INVESTOR RELATIONS:

Dale Rasmussen
Phone (206) 315-8242

BUSINESS:

John Williams
Phone (949) 885-7566

Quantum Fuel Systems Technologies
Worldwide, Inc.

17872 Cartwright Road

Irvine, CA 92614

Phone (949) 399-4500

Fax (949) 399-4600

www.qttww.com

Nasdaq: QTWW

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.

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; the Company's ability to source alternative materials and suppliers; and the Company's ability to meet customer specifications and qualification requirements using the lithium ion battery and control systems. 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.

For more information regarding Quantum, please contact:

Dale Rasmussen
Investor Relations
+1-206-315-8242
Email: DRasmussen@qtw.com

©2006 Quantum Fuel Systems Technologies Worldwide, Inc.
Advanced Technology Center
17872 Cartwright Road, Irvine, CA 92614
Phone 949-399-4500 Fax 949-399-4600