

FOR RELEASE: Wed., April 13, 2011

CONTACT: Barb Barkley
330-980-8552
barbara.a.barkley@delphi.com

DELPHI SHOWCASES INNOVATIVE WIRELESS EV CHARGING

Revolutionary technology to offer most efficient and convenient wireless charging option to future electric vehicle drivers, flexible installation to EV infrastructure

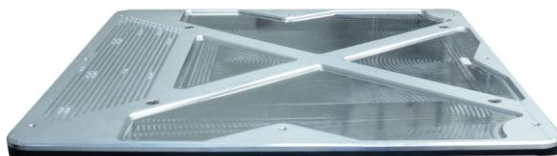
DETROIT -- Delphi Automotive has equipped an electric vehicle with its [Delphi Wireless Charging System](#), a highly efficient wireless energy transfer system featuring technology developed by WiTricity Corporation. Delphi will display the test vehicle at this year's SAE World Congress here this week.

"This is a significant advancement in our research and development efforts to offer automotive manufacturers a practical wireless charging solution we believe is superior to others being proposed," said Randy Sumner, director, global hybrid vehicle development, Delphi Packard Electrical/Electronic Architecture. According to Sumner, engineers at Delphi's Customer Technical Center in Champion, Ohio, have installed the Delphi Wireless Charging System on an all-electric THINK City test vehicle, and have confirmed that system performance meets automotive market requirements.

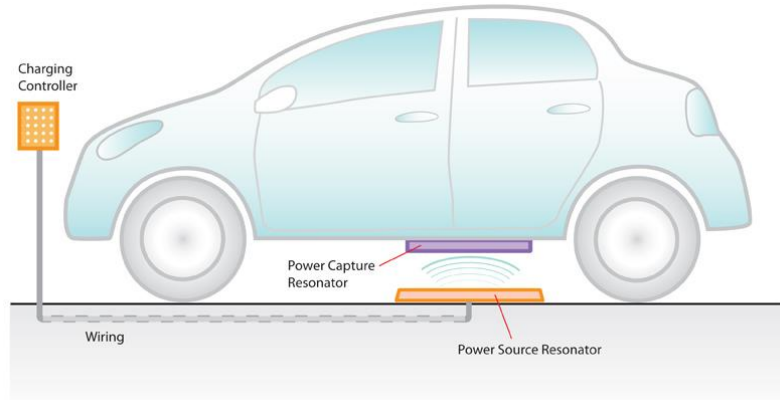
A wireless charging system eliminates the need for a charging cord. Drivers can simply park their electric vehicle over a wireless energy source situated on the garage floor or embedded in a paved parking spot. Other wireless charging systems under development make use of

traditional inductive charging, the same technology used in electric toothbrushes, which is based on principles first proposed in the mid-nineteenth century. These systems only work over a limited distance range, require precise accurate parking alignment and can be very large and heavy, making them impractical for widespread use on electric vehicles.

"The Delphi Wireless Charging System offers more practical and flexible installation than traditional inductive systems because it uses highly resonant magnetic coupling, a modern technology that safely and efficiently transfers power over significantly larger distances and can



adapt to natural misalignment often associated with vehicle positioning during parking,” Sumner said. This means that Delphi charging sources can be buried in pavement, are unaffected by environmental factors such as snow, ice or rain, can accommodate a wide range of vehicle shapes and sizes and their differing ground clearances. The Delphi system is also more forgiving to vehicle parking positions on top of the charger without requiring any moving parts to accommodate. The system transfers energy using an oscillating magnetic field, which is intrinsically safe for humans and animals.



According to Sumner, the system will automatically transfer power to the electric vehicle’s battery pack at a rate of 3,300 watts - the same rate as most residential plug-in chargers -- and is able to do so with the smallest and lightest modules possible. These components are important to minimizing overall vehicle weight and cost while maximizing the driving range of EVs, a critical selling point for automakers.

“We are excited by our testing and validation of the system and believe we have a valuable and unique wireless charging solution that offers the most potential for widespread use in the automotive market. With the support of automotive manufacturers, this technology can be integrated into the next generation of electric vehicles,” Sumner said.

Wireless charging technology will need to co-exist with plug-in charging solutions, he added, so that electric vehicle drivers have the ability to charge their vehicle when they are away from their wireless charging source.

Delphi also makes a [Portable Electric Vehicle Charger](#) that fits conveniently in the trunk of an electric vehicle. The user-friendly, UL-listed charging system plugs into any standard 120-volt outlet to enable safe electric vehicle battery charging at home or away. The charging unit can also be integrated into stationary charging applications.

About Delphi

Delphi is a leading global supplier of electronics and technologies for automotive, commercial vehicle and other market segments. Operating major technical centers, manufacturing sites and customer support facilities in 30 countries, Delphi delivers real-world innovations that make products smarter and safer as well as more powerful and efficient. Connect to innovation at www.delphi.com

About WiTricity Corp.

WiTricity Corporation designs, develops, manufactures, and markets patented technology for wireless energy transfer. Founded in 2007, the company is commercializing technology invented by a team of renowned MIT physicists. This technology utilizes magnetism to transfer energy without wires in a way that is safe, efficient, and that works over distance. WiTricity is developing wireless energy transfer solutions for a broad range of consumer electronics, electric vehicle, medical, industrial, and military applications. For more information, visit www.witricity.com

#