

FOR IMMEDIATE RELEASE

Vicor Demonstrates 400 VDC Power Distribution Capabilities for Telecom and Datacenter Applications at INTELEC 2012

Live demonstration of highly efficient, higher voltage DC power distribution architecture using commercialgrade hardware

Andover, MA – October 4, 2012 – Vicor Corporation (NASDAQ:VICR) today announced its participation, on October 2 at INTELEC 2012, in a live demonstration of a higher voltage (400 VDC) power distribution system for telecom and datacenter applications. The highly anticipated demonstration highlighted the benefits and feasibility of higher voltage DC power distribution using commercial-grade, ETSI EN 300 132-3-1-compliant hardware and was facilitated by a group of leading industry vendors.

400 VDC distribution has long been known to offer the potential for reduced losses. Size and efficiency limitations inherent in conventional power conversion technologies, however, have made it impractical to convert these higher DC voltages to the lower voltages needed by electronic equipment. The higher voltage DC power distribution framework demonstrated at INTELEC overcomes these limitations through the use of contemporary power conversion technologies and architectures.

"400 VDC distribution technology promises a host of benefits for telecom and datacenter applications, with the potential for greater conversion efficiency and lower operating costs than conventional power distribution schemes," said Gary Niederpruem, vice president Marketing & Business Development at, Emerson Network Power's Energy Systems business, a participant in the live demonstration. "With this demonstration, featuring our NetSure™ 4015 DC Power System, we hope to advance a fruitful industry dialogue focused on the merits and viability of 400 VDC distribution."

"Vicor is committed to enabling next-generation power distribution systems that minimize the consumption and waste of valuable energy resources, while simultaneously reducing power system complexity," said Jeremy Steddom, Business Creation Team Leader, Industrial Market at Vicor. "The successful demonstration of 400 VDC power distribution at INTELEC 2012 represents a significant step toward the realization of highly efficient, higher voltage DC power distribution for high performance applications."

The INTELEC demonstration system featured Vicor's VI Chip® power modules and Factorized Power Architecture® (FPA®). Featuring bus conversion efficiencies up to 97%, and the highest power density and efficiency in the industry, VI Chip power modules are optimized to convert input voltages, up to 400 V, to the lower voltages, such as 12 V or 48 V, needed to power telecom and datacenter hardware. Vicor's Factorized Power Architecture, using VI Chips, enabled architecting power distribution and conversion systems that featured fewer power conversion stages, fit in less space, and exhibited lower losses, than conventional power systems. Reduced losses translate directly into improved system reliability, reduced operating costs, reduced cooling costs and longer battery back-up without system derating.

To access the whitepaper on higher voltage DC distribution architectures for telecom and datacenter applications presented at INTELEC, and/or to watch a video replay of the 400 VDC demonstration hosted at INTELEC 2012, visit http://www2.vicorpower.com/intelec2012

About Vicor Corporation

Headquartered in Andover, Massachusetts, Vicor Corporation designs, manufactures and markets innovative, high performance modular power components, from bricks to semiconductor-centric solutions, to enable customers to efficiently convert and manage power from the wall plug to the point-of-load. Complementing an extensive portfolio of patented innovations in power conversion and power distribution with significant application development expertise, Vicor offers comprehensive product lines addressing a broad range of power conversion and management requirements across all power distribution architectures, including CPA, DPA, IBA, FPA and CBA. Vicor focuses on solutions for performancecritical applications in the following markets: enterprise and high performance computing, telecommunications and network infrastructure, industrial equipment and automation, vehicles and transportation and aerospace and defense electronics. <u>www.vicorpower.com</u>

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