



Ambient and Consolidated Edison Announce Successful Joint Testing of Ambient's Power Line Communications Technology

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NEW YORK, July 8 /PRNewswire-FirstCall/ -- Ambient Corporation (OTC Bulletin Board: ABTG), a leader in Power Line Communications (PLC) technology, and Consolidated Edison Company of New York, Inc., (Con Edison) a subsidiary of Consolidated Edison, Inc. (NYSE: ED), one of the nation's largest investor owned utilities, jointly announce the successful results that conclude a significant phase of the demonstration of Ambient's Power Line Communications architecture on Con Edison's overhead electric distribution system.

Ambient's proprietary coupler and network components are deployed on Con Edison's Medium Voltage and Low Voltage lines to construct a complete, end-to-end network in a live environment. Ambient utilized modem chipsets and software manufactured by DS2, for carrying the Power Line Communications signals over the electrical power distribution grid. Ambient's strategic partner, Canberra Aquila, a subsidiary of Canberra Industries, Inc., provided communications equipment that incorporate the DS2 chipsets, as well as equipment employed in demonstrating video security monitoring.

Ambient's end-to-end network spans a distance of approximately 1 mile between the farthest points on the Medium Voltage line, and includes connectivity to branches in between. As it is currently constituted, the PLC network spans over 1.5 cable miles between the 4 premises connected. Throughput rates from 6 to 12 Mega-bits per second (Mbps) have been achieved over the Medium Voltage lines. Throughput rates on the Low Voltage lines, the rates that could be provided to consumer premises, range from 3.5 Mbps to 7 Mbps.

Hyman Schoenblum, Vice President of Corporate Planning for Con Edison stated, "We are pleased to see our efforts with Ambient Corporation reaching an important milestone for PLC technology. Con Edison is looking forward to continuing to work with Ambient in exploring the potential applications and advantages of PLC technology."

Utilizing a back haul connection supplied by EarthLink (Nasdaq: ELNK), a leading Internet service provider, the throughput rates achieved not only establish the delivery of Broadband Internet, but clearly demonstrate the reality of offering other services to the general public, such as video security monitoring.

Dr. Yehuda Cern, Ambient's Chief Engineer stated, "The demonstration results are a vindication of the inductive coupling concept that sparked Ambient's technology to successfully bridge the distribution transformer."

The results achieved substantiate Ambient's position that the PLC network, through its two-way multi-megabit communications channel, can be used for multiple purposes and services that benefit both the utility and the consumer. With the appropriate modifications or replacement of the standard power meter, utility applications, such as load management, Automatic Meter Reading (AMR), outage reporting and real time pricing can be achieved using PLC.

John Joyce, CEO of Ambient Corp. stated, "The recent progress demonstrates the viability of Ambient's business plan to deliver high data rates over long distances on existing powerlines. What will become equally obvious in the coming weeks, is the emerging reality that Ambient's Power Line Communications technology is not just about Internet access. There are other potential uses and applications, some with national security implications, which quite candidly we at Ambient did not even contemplate at the outset of the journey."

About Ambient Corporation:

Ambient Corporation (OTC Bulletin Board: BTG) is a development stage company engaged in the architecture, design, development, and implementation of a proposed comprehensive high-speed communication infrastructure designed to utilize existing electrical power distribution lines as a communication medium -- Power Line Communication -- PLC. <http://www.ambientcorp.com>

About Consolidated Edison Company of New York, Inc.

Con Edison is a subsidiary of Consolidated Edison, Inc. (NYSE: ED), one of the nation's largest investor-owned energy companies, with approximately \$10 billion in annual revenues and \$17 billion in assets. The utility provides electric, gas and steam service to more than three million customers in New York City and Westchester County, New York. For additional financial, operations and customer service information, visit Con Edison's web site at <http://www.coned.com>.

This press release may contain forward-looking statements that involve risks and uncertainties. These statements may differ materially from actual future events or results. Readers are referred to the documents filed by Ambient Corporation with the SEC, including the company's most recent report on Form 10-K and 10-Q, which identify important risk factors that could cause actual results to differ from those contained in the forward-looking statements.

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