



Company Background

Headquartered in Huntsville, AL, International Broadband Electric Communications, Inc., (IBEC) is focused on providing the benefits of broadband to everyone and enabling energy management & Homeland Security applications for electric utilities and their customers. Drawing on technologies in telecommunications, electrical power systems, and energy management, the Company creates new opportunities for electrical utilities to improve their internal network efficiency and security while enabling any customer or piece of utility equipment having an Internet Protocol (IP) address to gain broadband access over the power lines. This provides business and residential customers with "broadband to the power outlet" using the one truly universal broadband access network - the electrical power system.



The Products

IBEC currently offers a broadband-over-powerline (BPL) Internet access system, the *BRAD™* Broadband Access Device modem, and a BPL surveillance and Homeland Security system. In the future, IBEC will also offer an energy management and supervisory control & data acquisition (SCADA) system that will operate over the broadband electrical network to connect customer Internet appliances to the wide area network and improve the efficiency of electric utility networks through energy management, load balancing, and automatic meter reading.



The Services

IBEC is a full-service, broadband Internet Service Provider (ISP), currently providing a host of dial-up and always-on, high-speed service to electrical utilities and their customers as well as other corporate and residential customers. IBEC provides turn-key BPL systems, including both equipment and Internet access service, allowing a utility to install a BPL system and begin providing reliable broadband service to its customers in a very short time. Only IBEC offers this combination of BPL products and a rich history of providing Internet services to electric utilities and their customers, enabling IBEC to **Empower the World's Broadband®**.



The Market and Competition

The target market for IBEC's products is the host of electrical utilities in the U.S. and abroad. An industry still in its infancy, the BPL market is estimated to grow rapidly to 5.8 million customer lines having a market value of \$3.5 billion in the U.S. alone by 2006; worldwide, the market is expected to grow to 29.3 million customer lines with a market value of \$16.7 billion by 2006.

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