

**Media Contacts:**

Joe Noel, 240.912.1851

Michael Wachs, CEOcast, 212.732.4300, [mwachs@ceocast.com](mailto:mwachs@ceocast.com)

Garrett Axford, Georgina Garrett / Simon Jones, 866.940.9987, +44.1903.854900 [mail@garrett-axford.co.uk](mailto:mail@garrett-axford.co.uk)

**For Immediate Release****Telkonet Teams with BPL Global® to Provide Secure Communications for Utility Substations**

*Telkonet's Series 5 Powerline Communications (PLC) technology approved for critical substation monitoring applications*

**July 28, 2008: Germantown, MD – Telkonet, Inc. (AMEX:TKO), the leading provider of innovative, centrally managed solutions for integrated energy management, networking, building automation and proactive support services,** announces that its revolutionary PLC solutions have been approved after laboratory and field testing by BPL Global's Serveron® subsidiary, a leading provider of smart grid solutions including online monitoring technology and services for electric utility assets. The Telkonet Series 5™ and the Telkonet iWire System™ use existing electrical low voltage power lines to provide high-speed communications, creating a highly secure and fast-deployment substation network. Telkonet's network enables the constant monitoring of power transformers, linking Serveron's remote monitoring Dissolved Gas Analysis (DGA) system to the control house, and transmitting vital data about the presence of dissolved gases in the power transformer insulating oil that indicate impending problems.

The two companies have been working closely, proving Telkonet's PLC solutions in the field with a large utility in the Southwest. Recently, Serveron has conducted extensive laboratory tests on the next generation Telkonet Series 5 platform launched earlier this year, designed specifically for demanding industrial applications, such as substations and power plants. Telkonet Series 5 has now received full approval for use with Serveron on-line transformer monitors in substation monitoring applications. As a result of these joint initiatives, Serveron has now customized its TM family of transformer monitor systems to incorporate the Telkonet iBridge™ prior to shipping, making it even simpler for the entire solution to be installed in a matter of hours by Serveron's technicians.

With transformers costing anywhere between \$1 million and \$10 million, keeping them in good health is clearly a critical issue. DGA is an essential means of preventing power transformer failures, providing utilities with a near real-time view of a transformer's state of health by analyzing the gases that are dissolved in its insulating oil. Secure and reliable substation communication is therefore an essential complement to Serveron's remote monitoring solutions, as Steve Jennings, Chief Marketing Officer of BPL Global, explains. "We are confident that Telkonet represents an ideal partner for our Serveron monitors, enabling us to offer a cost-effective alternative to wireless and cell-based options, or even a temporary solution while fiber is being installed. Above all, we have been extremely impressed at the resilience of Telkonet's technology, making it an ideal platform for the harsh and demanding substation environment."

Telkonet Series 5 PLC system delivers enhanced security, speed and Quality of Service (QoS), with capacity for high performance, critical applications, and provides a cost-effective method of rapidly adding communications to existing devices and applications. Telkonet Series 5 can provide support for both DC and AC applications, as well as the capability of withstanding extreme temperature ranges in tough industrial environments. With hardware-based 128-bit AES encryption, it also provides substantially improved security features, meeting stringent industry

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requirements as a highly secure remote management solution. Telkonet Series 5 also incorporates additional optional physical access ports, including both RS232 and RS485, enabling a wide range of different devices to be networked, such as non Ethernet-enabled monitoring and metering devices used in electric utility substations. It can also handle up to 8 different communication priority levels, across high-speed data, Voice over IP (VoIP), and surveillance, with rate-limited bandwidth management per application.

### **About BPL Global**

BPL Global, Ltd. (BPLG) is a smart grid technology company dedicated to leading the transformation of energy and information delivery. The company provides software solutions to electric utilities enabling an intelligent grid to more efficiently manage demand, integrate distributed energy resources, improve service reliability, and optimize cost and capital productivity. BPL Global partners with local utilities, Internet service providers, equipment suppliers and financiers to create end-to-end solutions integrating the best in software, communications, hardware and managed services to aggressively deploy smart grid solutions around the world. Part of the clean technology sector of the electric utility industry, our applications provide the critical foundation for a coordinated, intelligent grid to deliver energy more efficiently for a greener environment. [www.bplglobal.net](http://www.bplglobal.net).

### **About Telkonet**

Telkonet's unique broadband networking solutions currently support more than 1.8 million network users per month, with its energy management systems optimizing energy consumption in over 90,000 rooms. Telkonet's technology innovation is underpinned by the highest level of end-to-end quality of service, with comprehensive technical customer support. Its systems deliver wide-ranging functionality, from wired and wireless high-speed Internet access to energy management, IP surveillance and local area networking. Telkonet's platforms are widely deployed on the global stage – in single buildings and ships, in multi-building complexes, hospitality venues and multi-dwelling units, and at government, education and defense locations.

Telkonet's innovations include the revolutionary Telkonet Series 5 and the Telkonet iWire System™, which convert a site's existing internal electrical infrastructure into an IP network backbone – quickly, cost-effectively and without disruption. The portfolio also includes the integrated EthoStream product suite, providing a comprehensive and advanced technology management platform for the hospitality industry, differentiated by outstanding remote management tools and a dedicated customer support facility. Networked Telkonet SmartEnergy™ completes the line-up, delivering typical bottom line savings of up to 30% by controlling in-room energy consumption according to occupancy. For more information, please visit [www.telkonet.com](http://www.telkonet.com).

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