



Systel Announces the Successful Installation of one of the First Stage Beta Sites of its Breakthrough ESLS Application at the Chanin Building, NYC

Press Release

Nes Ziona Science Park, Israel- June 12: Systel announces the successful installation of one of the first stage beta sites of its breakthrough ESLS at the Chanin Bldg (10th Floor), 122 East 42nd St., NYC. The installation will be a showcase for demonstrating the ESLS's unique capabilities to achieve maximum energy savings and peak power demand control down to an individual element of the system and the robustness of its powerline communication. It is one of a series of ESLS beta sites that are being deployed in various configurations and sizes in several international locations as pilot trial sites.

The **ESLS™ open system platform** is an innovative patented solution that enables the industry to deploy premium energy saving building lighting control systems using Systel's digital powerline communication (PLC). **The ESLS is an application based on Systel's IDC2000 IC family with embedded PLC modem** and is offered to the lighting and HVAC (heating, ventilation and air-conditioning) industry, **together with complete end-product reference designs.** This platform sets a new level of system cost-effectiveness, allowing implementation of all energy saving strategies, including optimal automatic demand response, while maintaining user comfort, with a typical retrofit payback of 2 years in commercial buildings and very short down time. **The ESLS can provide up to 70% reduction in electrical energy costs.**

This pilot system, working via powerline communication and using Systel's PLC-Link™ protocol, introduces visitors to the advantages provided by the ESLS and its exceptional components, such as its unique ability to control individual lamps in a fixture with smooth and equalized dimming down to 3-5%, change the ballast factor in the field and the excellent time response of the powerline control with anti-collision method operating the ballast/lamps simultaneously from wall control and PC, emulating BMS interoperation.

Visitors will be acquainted with the attributes of the smart, low cost, self-calibrating daylight harvesting system enabled by the ESLS, combined with occupancy sensors to allow lights to deeply dim or partially shutdown at occupant absence sensing and totally shutdown when daylight is present.

For the installation, Systel used high efficiency multi-featured dimmable electronic ballast types for 2, 3 and 4 lamps with frequent starting conditions, wall control, multiple network sensor unit and IR remote control supplied by Systel's OEM manufacturers based on Systel's design and patents.

Systel is offering its IDC2000 power management controllers, full end-product design and is licensing its patents and designs to OEM manufacturers and BMS system suppliers.

For technical information about the beta sites click here:

http://systelpower.com/assets/documentation/esls-beta_site.pdf



Digital Power Leader

To visit the ESLS Beta Site at the Chanin Building (10th Floor), 122 East 42nd Street, New York City please contact John Medina (jmelectcorp@aol.com) or esls@systelpower.com.

About Systel

SYSTEL is a pioneer in the development of proprietary comprehensive SoC solutions for mixed-signal power control and management for the power electronics industry. Its first application in power electronics was in 1993 when it unveiled a true on-line high performance UPS system implementing unique control functions in logic engines. In 1992 a line of electronic ballasts was developed by the company and the first generation of its configurable SoC digital power management solution for lighting was unveiled in 1998. Systel holds 12 key patents and has more than 20 patent applications pending that range from core technology, silicon architecture, power control functions and communication methods to power topologies and building control systems supported by digital control.

SYSTEL Development and Industries Ltd

Lev Hanevet Building, 5 Golda Meir St., Science Park, Nes Ziona, Israel

Phone: +972 (0)8 9313010, Fax: +972 (0)8 9313011, marketing@systelpower.com

For more information about Systel products and technology visit the company's website at <http://www.systelpower.com>