



## **Systel Exhibited at Lightfair International 2008 - Las Vegas, one of the World's Largest Lighting Trade Shows, Launching its ESLS Open System Platform**

### **Press Release**

**Nes Ziona Science Park, Israel- June 10:** At Lightfair International (LFI) 2008 in Las Vegas, May 28-30, **Systel Development and Industries Ltd.** successfully launched the **ESLS™ open system platform**, an innovative patented solution that enables the industry to deploy premium energy saving building lighting control systems utilizing Systel's digital powerline communication (PLC). **The ESLS is an application based on Systel's IDC2000 IC family 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 seven 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.

**Lightfair International (LFI) 2008** — one of the world's largest annual architectural and commercial lighting trade shows - welcomed more than 19,800 attendees in Las Vegas and featured 510 exhibitors. Systel's booth, placed in the Daylighting Pavilion – exclusively dedicated for energy saving systems - was one of only 27 companies chosen to display in this pavilion. Systel exhibited at the Lightfair for the second year running. Last year it launched its patented IDC2000 power management system-on-chip controllers family in the American market, aimed at the entire power electronic industry and in particular for the light and HVAC applications based on its unique UPMC (Universal Power Management Control) technology.

Systel's booth was a magnet for Lightfair attendees who were drawn to the dynamic changes of light levels of the ESLS pilot system show, presented by Systel in its booth. Six fixtures containing eighteen fluorescent lamps were installed in the booth and driven individually or in groups. The system, working via powerline communication and using Systel's PLC-Link™ protocol, allowed the attendees to see, amongst others, its unique capability of controlling individual lamps in a fixture, with smooth and equalized light dimming down to 3%, changing 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 PC and wall control. For the setup, Systel used high efficiency multi featured dimmable electronic ballast type for 2, 3 and 4 lamps, wall control, multiple network sensor unit and IR remote control supplied by Systel's OEM manufacturers based on Systel's design and patents and BMS interoperation emulated by PC. Systel also showed its high performance low cost self-calibrated daylight system enabled by the ESLS.

In addition, Systel provided a live demonstration at its booth of its multi-channel ballast technology, using the Lighting Evaluation Kit (LEK) and driving 8 different fluorescent lamp types from one IDC2000 controller. This multi-channel technology is capable of operating fluorescent, LED and HID lamps or a combination.

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.



### **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**

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