



## ***NEWS ANNOUNCEMENT***

**FOR IMMEDIATE RELEASE**

Media Contact: Stephanie Olsen  
Lages & Associates Inc.  
949/453-8080  
stephanie@lages.com

### **TERIDIAN, SYNAPSE WIRELESS AND CALIFORNIA EASTERN LABORATORIES SHOWCASE ENERGY MEASUREMENT DESIGN SOLUTION AT LIGHTFAIR INTERNATIONAL**

#### **Intelligent Wireless Control and Energy Monitoring Solution Targeted to Manufacturers of LED Light Fixtures and Solid State Lighting Products**

**IRVINE, Calif., May 5, 2010** – Next week at LIGHTFAIR International 2010, [Teridian Semiconductor](#), [Synapse Wireless](#) and [California Eastern Laboratories](#) (CEL) will demonstrate a new design solution for the intelligent wireless control and energy monitoring of LED light fixtures and advanced solid state lighting products in Booth #2428 in the Building Integration Pavilion. The comprehensive solution includes Teridian's 78M661x system-on-chip (SoC), CEL's MeshConnect™ 802.15.4 product line and Synapse's SNAP® network operating system.

According to Bob Steele, director of Optoelectronics at Strategies Unlimited, an industry analyst firm, the global market for LEDs in lighting is predicted to grow at an astonishing 44 percent CAGR over the next five years. Likewise, the demand for energy measurement capabilities in a broad range of devices and applications is also on the rise. In response, Teridian, Synapse and CEL are introducing a comprehensive, plug-and-play solution targeted to manufacturers of LED and advanced solid state lighting products. This solution will measure the use of energy and provide intelligent control for lighting applications in an 802.15.4-based wireless network.

Teridian's 78M661x chip family enables power measurement in a range of applications that include home and building automation networks, appliances, power supplies, HVAC, and communication equipment. Synapse's SNAP is a mesh network operating system that provides embedded intelligence and wireless communication for engineers to design products that require remote monitoring and control, such as LED lighting and energy systems, building automation, asset management and more. CEL's MeshConnect product line, which includes ICs, modules and development kits, provides a fully integrated transceiver solution for IEEE 802.15.4/ZigBee networks that are ideal for voice, LED lighting control, solar/wind power, HVAC control, security systems, simple cable replacement, low-resolution video, asset location and AMR/AMI.

"CEL is excited about expanding its existing partnership with Synapse to now include a collaborative effort with Teridian. Each of the three partners provides an important component for intelligent wireless control and energy management for LED lighting and other solid state lighting applications," said Rich Howell, director of Business Development for CEL.

Last month Teridian launched the 78M6618, the second in the family of energy measurement solutions for the home and enterprise. Teridian's energy measurement SoCs offer unprecedented accuracy of better than +/-0.5 percent over a 2000:1 dynamic range with self calibration. The end result is the ability to measure even the smallest amounts of energy.

"We designed the 78M661x family to be a complete, ready-to-use embedded measurement solution," said Jay Cormier, Teridian vice president and general manager, Energy Measurement & Communications. "The outcome of the collaboration between Teridian, Synapse and CEL is the complete integration of electronic components and software into a reliable, cost-effective solution that enables products to come to market faster."

"Teridian is a natural extension to our partnership with CEL," said Wade Patterson, Synapse CEO. "Now the SNAP network operating system and CEL's MeshConnect modules can combine with the outstanding performance of the Teridian embedded energy monitoring solution to provide exceptional value and accelerated time to revenue for our solid state lighting customers."

The new design solution will be showcased next week at LIGHTFAIR International 2010 in Las Vegas from May 12-14. The companies will demonstrate the integration of the three technologies into one powerful and flexible solution for solid state lighting systems. Teridian, Synapse and CEL will be located at booth #2428 in the Building Integration Pavilion on the show floor.

### **About CEL**

California Eastern Laboratories ([www.cel.com](http://www.cel.com)) develops IEEE 802.15.4/ZigBee Radio Modules and Transceiver IC's and is a member of the ZigBee Alliance ([www.zigbee.org](http://www.zigbee.org)). CEL has sales offices, independent representatives, and distributors throughout the world. CEL is also the exclusive sales and marketing partner for products made by the Compound Semiconductor Devices Business Division (CSDBD) of Renesas Electronics Corporation.

### **About Synapse Wireless, Inc.**

Synapse Wireless, Inc., located in Huntsville, Alabama, is driving innovation in the machine-to-machine (M2M) communication market. This market is projected to grow to \$14 billion by 2013. Synapse provides intelligent, wireless control and monitoring based on the SNAP® network operating system. Synapse's Portal™ and SNAP® Connect provide a complete software development environment for easy application development and fast time to revenue. Synapse RF Engine® modules have achieved ZigBee® Compliant Platform (ZCP) certification. Synapse Design Services provides comprehensive design and implementation support for OEMs and partners. For more information, visit: [Synapse-Wireless.com](http://Synapse-Wireless.com)

### **About Teridian Semiconductor**

Teridian Semiconductor designs, manufactures and provides engineering support for its system-on-chip integrated circuits used in the energy measurement, control and communication markets, as well as networking, and secure access systems.

Teridian's products are used in smart utility meters, as well as enterprise based solutions such as servers, power distribution units and outlet monitoring devices to measure power dissipation with high accuracy, and enable communication processing of recorded energy data. Teridian has created five generations of products, and is working with manufacturers to enable the global trend toward improving energy efficiency through the introduction of distributed smart energy solutions.

Additional company and product information can be found at <http://www.teridian.com>.

# # #