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Update for Media:
**Cypress Envirosystems Grows Customer Base and
Expands Portfolio of Energy Savings Products**

Cypress Envirosystems, a subsidiary of Cypress Semiconductor Corp. (NYSE:CY), develops and sells innovative automation solutions to help older plants and buildings cut energy costs and boost productivity, with a fast payback.

Cypress Envirosystems specializes in non-invasive sensing and wireless technologies which can be installed with a minimum of disruption and cost a fraction of traditional solutions. Its products, such as the Wireless Gauge Reader and the Wireless Steam Trap Monitor pay back in about 12 months.

While initially providing solutions for the semiconductor industry around California, Cypress Envirosystems' customer base has now grown to include pharmaceutical and biotechnology, power generation, waste and waste water processing, pulp and paper, and universities with customer sites in North America, Europe and Asia.

In Q4 2008, Cypress Envirosystems expanded its product portfolio with the introduction of the Wireless Freezer Monitor, Wireless Battery Monitor and Wireless Pneumatic Thermostat. All these products continue in the tradition of "install in minutes, no process disruption, no leak check, no wiring, no retraining of staff, no new enterprise software, payback of 12 months":

- The patent-pending Wireless Gauge Reader (WGR) clips-on to the front face of an existing dial gauge to capture and transmit the readings. It installs in minutes and does not require removing old gauges, breaking pressure seals, performing leak checks, running wires or interrupting the underlying process. Applications include monitoring and reducing energy use of compressed dry air systems, performing low-cost rapid energy audits for steam or chilled water flow, enabling condition based maintenance for pumps and filters, and monitoring process gas bottles to avoid downtime and reduce consumables use.
- The Wireless Transducer Reader (WTR) provides a fast and inexpensive solution to read and transmit data from existing standalone transducers with no need to run wires. Its programmable input circuitry can be configured to read most analog transducers in minutes. Packaged with clamp-on current meters and ultrasonic flow meters that do no disrupt processes, the WTR is an extremely cost effective and flexible method to obtain energy-use characterization and baseline data for audits.

- The Wireless Steam Trap Monitor (WSTM) mounts non-invasively onto existing steam traps in minutes and uses a proven algorithm to detect steam trap failures, particularly expensive steam leaks. An estimated 15-20% of steam traps are malfunctioning at a given time, and each leaking trap wastes \$5,000 or more in energy costs per year. The WSTM augments manual audits to detect failures in a timely manner and avoid wasting resources.
- The Wireless Freezer Monitor (WFM) enables near real-time monitoring of critical freezers used in most hospitals and pharmaceutical plants to store and maintain valuable samples. The WFM uses non-invasive clamp-on current sensors and wireless communication to provide predictive maintenance for high and low stage compressor current, door position, and internal freezer temperature.
- The patent pending Wireless Battery Monitor (WBM) enables reliable monitoring of battery health for Uninterruptible Power Supply (UPS) systems. It can be mounted on existing batteries in minutes, and provides internal resistance, temperature and voltage measurements - all critical parameters to ensure the UPS can perform when it is needed. The WBM replaces time-consuming and inaccurate manual testing of batteries employed by many plants and data centers.
- The patent pending Wireless Pneumatic Thermostat (WPT) retrofits existing pneumatic thermostats to deliver Direct Digital Control (DDC) functionality in minutes. Compared with a cost of \$2,500 or more per zone for implementing DDC systems, the WPT costs 20% as much and may be installed in under 20 minutes with minimal disruption of occupants. It enables remote temperature sensing and control of setpoints, programmable zone control and night setback, automatic self-calibration, BACnet integration with existing automation systems, and enables use with utility Demand Response programs.

In today's challenging economy, more and more plants delay or cancel major upgrades or new construction, and try to "make do" with maintaining and improving existing equipment. Plant managers are asked to produce more energy savings, with fewer headcount, with less capital investment. Cypress Envirosystems products are well suited to help achieve this difficult goal.

Genentech Inc, a leading biotechnology company, has employed a number of Cypress Envirosystems products in their South San Francisco headquarters site. Chris Stubbs, Sr. Director at Genentech will present a case study of actual savings and experience at the February 2009 ARC Forum in Orlando.