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For Immediate Release

**Cypress Envirosystems Debuts Control and Monitoring Solutions to Save Energy
And Improve Productivity for Older Buildings and Plants**

*Easy-to-Install, Non-Invasive Solutions Upgrade Pneumatic Thermostats,
Manual Steam Trap Monitoring and Dial Gauges in Minutes with Payback in Under a Year*

SAN JOSE, Calif., September 24, 2008 – Cypress Envirosystems, a subsidiary of Cypress Semiconductor Corp. (NYSE:CY), today introduced an innovative family of control and monitoring solutions geared to help older buildings and manufacturing sites cut energy costs and boost productivity, with a fast return on investment.

Many older facilities rely on dated technologies such as pneumatic thermostats, mechanical steam traps and manual gauges. Compared to newer sites, they typically consume more energy, require more maintenance labor, incur higher unplanned downtime and deliver lower yield or productivity. Although technologies such as Direct Digital Control (DDC) HVAC systems and wireless sensors and transmitters are available, the cost of disrupting existing occupants, preparing new designs, running added wiring, installing new software and triggering safety code issues usually push the payback period to an unacceptable three or more years.

Cypress Envirosystems' new technologies enable older sites to adopt the latest automation technologies at an affordable cost and with minimal disruption to existing occupants, processes and staff. The products require minutes to install and typically provide payback within 12 months. The solutions include the following:

- The patent pending Wireless Pneumatic Thermostat (WPT) retrofits existing pneumatic thermostats to deliver DDC-like functionality in minutes. Compared with a cost of \$2,000 or more per zone for implementing DDC systems, the WPT costs less than \$400 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

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night setback, automatic self-calibration, BACnet integration with existing automation systems, and enables use with utility Demand Response programs.

- 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 patent-pending Wireless Gauge Reader (WGR) clips-on to the front face of an existing 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. It costs 70% less to install than a traditional transducer and enables automatic trending and alarming of process parameters to reduce energy use, lower maintenance labor and improve uptime.
- 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 not disrupt processes, the WTR is an extremely cost effective and flexible method to obtain energy-use characterization and baseline data for audits.

“Our products make it easy for a wide variety of businesses to realize the efficiencies of automated, state-of-the-art control and monitoring systems,” said Harry Sim, Cypress Envirosystems CEO. “The number of older, inefficient facilities is staggering, and businesses everywhere are seeking fresh ways to attack the problem given today’s rising energy prices.”

Cypress Envirosystems solutions employ Cypress Semiconductor Corp. products, including 2.4-GHz wireless radios and intelligent PSoC® programmable system-on-chip. Cypress is an industry leader in low-power, energy-efficient products. Its SunPower subsidiary produces silicon solar cells with an industry-best efficiency rating of 23.4%.

Availability

Samples of the new Cypress EnviroSystems Wireless Pneumatic Thermostat are currently available. The Wireless Gauge Reader, Wireless Transducer Reader, and Wireless Steam Trap Monitor are currently in production. More information is available at:

www.CypressEnviroSystems.com.

About Cypress EnviroSystems Corporation

Cypress EnviroSystems is a subsidiary of Cypress Semiconductor (NYSE: CY). Its mission is to save energy and improve productivity in older plants and buildings, using state-of-the-art non-invasive and wireless technologies to minimize disruption and cost, delivering payback of 12 months or less.

About Cypress

Cypress delivers high-performance, mixed-signal, programmable solutions that provide customers with rapid time-to-market and exceptional system value. Cypress offerings include the PSoC® Programmable System-on-Chip™, USB controllers, general-purpose programmable clocks and memories. Cypress also offers wired and wireless connectivity solutions ranging from its WirelessUSB™ radio system-on-chip, to West Bridge™ and EZ-USB® FX2LP controllers that enhance connectivity and performance in multimedia handsets. Cypress serves numerous markets including consumer, computation, data communications, automotive, industrial, and solar power. Cypress trades on the NYSE under the ticker symbol CY. Visit Cypress online at www.cypress.com.

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