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For Immediate Release

Cypress Envirosystems Congratulates Genentech on Progressive Manufacturing Award For Innovative Energy Saving Solution

Wireless Energy Saving Solutions from Cypress Envirosystems Improves Performance, Implement Predictive Maintenance and Reduce Energy Costs

San Jose, CA -- May, 26, 2010. Cypress Envirosystems, a subsidiary of Cypress Semiconductor Inc. (Nasdaq - CY) congratulates Genentech on winning a 2010 Progressive Manufacturing Award from *Managing Automation* magazine for an innovative energy saving solution with technology from Cypress Envirosystems.

Project Scope and Goals: Sustainability and Maintenance Improvement

The scope of the project included reducing steam losses on Genentech's campus and implementing predictive maintenance strategies for the steam traps and research equipment on campus including critical freezers which hold biological samples. It also included an effort to monitor the equipment health of emergency generators. The project implemented wireless monitoring to achieve energy savings and reduce costs through predictive maintenance. The financial goal was to achieve a payback of less than two years.

 "We congratulate Genentech on this award," said Harry Sim, CEO of Cypress Envirosystems. "The focus areas for the project were the steam distribution system on the South San Francisco campus, and freezers and other critical R&D and facilities equipment. Wireless sensing solutions from Cypress Envirosystems were selected due to the lower cost and the non-invasive and non-disruptive nature of these devices. We're proud to have been an important part of this successful project."

Wireless, Non-Invasive Technology

The solution uses Cypress Envirosystems' wireless technology, a 2.4GHz wireless mesh technology to connect remote sensors and a central receiver/hub. Included in the

solution was the Wireless Steam Trap Monitor, which non-invasively clamps on to existing steam traps and installs in minutes to detect if the steam trap is operating normally, is blocked, or leaking costly steam. Also employed was Cypress' Wireless Gauge Reader, which non-invasively clamps on to existing dial gauges to optically read and transmit manual gauge readings. It, too, takes minutes to install and does not require breaking pipes or pressure seals. In addition, the solution included Wireless Freezer Monitors to improve predictive maintenance on custom freezers in the plant.

Cypress's solution included a built-in database and user interface, which provides alarming, trending and historization. It uses the Microsoft Windows XP/Professional operating system, Microsoft SQL Server database, and Microsoft Internet Information Services Web Server. "The use of standard Microsoft technologies complied with corporate IT guidelines and enabled a smooth integration with the plant LAN," Sim said.

Results: Lower Steam Losses, R&D Samples Saved
The project successfully reduced steam losses. Fifty-six Wireless Steam Trap Monitors were installed, and installation did not impact operations since the Wireless Steam Trap Monitors were designed to be non-invasive. Over a period of five months, leaks were detected on 20% of the traps, saving more on steam loss than the cost of the entire installation.

The project successfully implemented predictive maintenance for research equipment, reducing the need to perform frequent maintenance activities, and preventing equipment failures from impacting work product. Predictive maintenance for research freezers also reduced risk of lost R&D samples due to unexpected freezer failures. Twenty Wireless Freezer Monitors were installed, and the system predictively detected failures on four freezers. The freezers were able to be repaired, saving enough to pay for the installation costs of this part of the project.

"The use of non-invasive, clamp-on technologies from Cypress Envirosystems enabled much lower installation cost and virtually no disruption to manufacturing operations," Sim said. "This solution was approximately 75% lower in cost for than the next best alternative using traditional sensors, wiring, and I/O."

About Cypress Envirosystems, Inc.

Cypress Envirosystems is a subsidiary of Cypress Semiconductor (NASDAQ: 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 18 months or less. Visit Cypress Envirosystems at www.CypressEnvirosystems.com.

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 flagship PSoC® programmable system-on-chip families and derivatives such as PowerPSoC® solutions for high-voltage and LED lighting applications, CapSense® touch sensing and TrueTouch™ solutions for touchscreens. Cypress is the world leader in USB controllers, including the high-performance West Bridge® solution that enhances connectivity and performance in multimedia handsets. Cypress is also a leader in high-performance memories and programmable timing devices. Cypress serves numerous markets including consumer, mobile handsets, computation, data communications, automotive, industrial and military. Cypress trades on the NASDAQ Global Select Market under the ticker symbol CY. Visit Cypress online at www.cypress.com.

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