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AgigA Tech Achieves Safety and Compliance Certifications for Battery-Free Energy Modules

Cypress Subsidiary's PowerGEM™ Modules Receive Approval from UL and CSA

POWAY, Calif.--(BUSINESS WIRE)-- AgigA Tech Inc., a subsidiary of Cypress Semiconductor Corp. (NASDAQ:CY), today announced multiple safety and compliance certifications have been granted for their family of intelligent battery-free energy modules. Among the approvals received are compliance to UL 60950-1 (Underwriters Laboratories), CSA C22.2 No. 60950-01-07 (CSA International), and CB Certification to IEC 60950-01 and/or EN 60950-1. These certifications include Energy Hazard Testing, and are a critical step in ensuring a safe and reliable product when deployed into production. The PowerGEM™ (Green Energy Module) energy modules use ultracapacitors (or "ultracaps") to provide temporary power for AgigA Tech's AGIGARAM™ DDR2 and DDR3 Non-Volatile (NV) Memory Systems in the event of a system power loss.

The PowerGEM modules allow designers to avoid problems of battery-powered energy sources, including environmental impact, increased design complexity, maintenance and conditioning, shipping/storage/disposal overhead, short operating life, and a high total cost of ownership. PowerGEM, when paired with an AGIGARAM NV memory module, provides a complete secure and reliable non-volatile memory subsystem for mission critical data.

"Reliability is priority one for applications that use our AGIGARAM solutions," said Ron Sartore, CEO of AgigA Tech. "Receiving these safety and compliance approvals on our PowerGEM modules signals to system designers and storage architects that a battery-free solution can be deployed safely and reliably."

When used as a write cache in enterprise-class applications, AGIGARAM provides a performance-boosting building block while guarding against power failures and data loss. In addition to providing power, PowerGEM manages the charging/discharging, cycling, wear-monitoring and other module details to insure long life and high reliability. The entire AGIGARAM Non-Volatile System (NVS) implements the AGIGASAFE™ control protocol, a simple-to-use host-controlled I²C programming interface developed by AgigA Tech that ensures safe, reliable, secure operation at the system level. This protocol allows fine control over internal system functions such as managing the NAND Flash while providing precise health monitoring and tracking. The complex system-readiness system has also been reduced to a single "Good To Go" (or GTG) signal. For more information on AgigA Tech products visit www.agigatech.com.

AgigA Tech will demonstrate the PowerGEM and AGIGARAM solutions at the CONNECT 23rd Annual Most Innovative New Product (MIP) Awards Luncheon held at the Hilton Torrey Pines Grand Ballroom in La Jolla, CA on December 10th. AGIGARAM was recently recognized as a finalist in the Hardware and General Technology Category.

Availability and Photo

The AGIGA900x family of PowerGEM modules are currently in production with samples available to qualified customers. A high-resolution photo of a PowerGEM device is available at www.cypress.com/go/pr/photo/powergem.

About AgigA Tech, Inc.

AgigA Tech is an industry pioneer in high-speed, high-density, battery-free non-volatile RAM. The AGIGARAM™ product family merges NAND Flash, DRAM and an ultracapacitor power source into a highly reliable non-volatile memory system. The systems target enterprise-class and embedded system equipment to guard against power failure and loss of critical data. Headquartered in Poway, California with a product development and test center in Chengdu, China, AgigA Tech began its R&D operations in early 2007 under Simtek (Nasdaq: SMTK) and was formally established as an independent subsidiary in February 2008. It became a subsidiary of Cypress Semiconductor (Nasdaq: CY), with the Cypress acquisition of Simtek in September 2008. The company's products are available worldwide through the Cypress sales force and its distributor partners. More information on the company is available at www.agigatech.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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