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### **FOR IMMEDIATE RELEASE**

## **Systron Donner Inertial Introduces The New High-Performance Inertial Navigation System (INS/GPS)**

### **SDN500**

Concord, CA – August 20, 2010 - Systron Donner Inertial (SDI), a brand of Custom Sensors & Technologies (CST), presents the latest in Inertial Navigation Systems technology, the SDN500 INS/GPS system. With one of the industry's smallest form factors of 26 cubic inches at 4"[101.6 mm] x 2.9"[73.66 mm] diameter, the SDN500 combines three all-new rate sensors and three accelerometers for a six degree of freedom (6 DoF) solution tightly-coupled with a state-of-the-art Global Positioning System (GPS) to provide position, velocity, and attitude (pitch, roll, yaw) information. The SDN500 exhibits unprecedented angle random walk/jitter floor, repeatable bias performance over temperature, reverse voltage and EMI protection, all in a ruggedized, double-isolation sensor suite suitable for most military environments. It is especially suited for demanding applications, such as UAVs and other unmanned vehicle pointing, targeting, and positioning applications, where small size, low power and fast turn-on time are required. The SDN500 performance is suited to high volume military applications, at a very attractive price. Available April 2011.

Typical applications include:

- UAVs and Other Unmanned Vehicles
- Camera Stabilization
- Targeting and Positioning
- Precision Antenna Pointing
- Range Instrumentation
- Attitude Reference



The SDN500 provides a synergistic Guidance, Navigation & Control system with a proven digital message format output using RS-422 protocols. The SDN500 has an outstanding Mean Time Between Failure

- more -

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rate with no inherent wear out modes, and is adaptable to a wide variety of applications for stabilization and control. The unit is lightweight at 1.8 pounds.

Available: January 2011

For further information and specifications on the SDN500, or for information on the complete SDI product line, please contact Systron Donner Inertial, 2700 Systron Drive, Concord, CA, 94518.

Tel: (925) 979-4500; Fax: (925) 349-1366; E-mail: [sales@systron.com](mailto:sales@systron.com); Web: [www.systron.com](http://www.systron.com).

#### **About Systron Donner Inertial:**

SDI is a world leader in quartz MEMS inertial sensors and systems. SDI's high performance products include rate sensors, multi-axis systems, IMUs and INS/GPS systems.

#### **About Custom Sensors & Technologies:**

Headquartered in Moorpark, CA - Custom Sensors & Technologies (CST) is comprised of industry-leading brands including Crouzet, Kavlico, Crydom, and former divisions of BEI Technologies – Newall and Systron Donner. CST provides sensors, controls, and actuation products for the Transportation, Industrial and Aerospace & Defense markets. [www.cstsensors.com](http://www.cstsensors.com)

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