



## FOR IMMEDIATE RELEASE

October 06, 2005 09:30 AM US Eastern Timezone

### **ISSYS Inc. Completes \$1.97 Million NIST ATP Project for the Development of a MEMS-Based, Portable, Multi-Drug Infusion System**

YPSILANTI, Mich.--(BUSINESS WIRE)--Oct. 6, 2005--Integrated Sensing Systems, Inc. (ISSYS) in Ypsilanti, Michigan, announced today that it completed a \$1.97 million National Institute of Standards and Technology's Advanced Technology Program (NIST-ATP) two-year technology development program. The project ("Multi-Drug, Portable Infusion System for the Treatment of Cancer & AIDS") was dedicated to developing the technology for a portable and highly-accurate multi-drug infusion system that integrates microelectromechanical systems (MEMS) with a passively pressurized drug reservoir, thereby dramatically improving the control of drug delivery and keeping power requirements low.

Dr. Nader Najafi, ISSYS' CEO stated that: "ISSYS' technology has the potential to revolutionize the low-flow drug delivery field by offering unprecedented accuracy for low flow measurement in a small size, requiring very low power. ISSYS' core technology, for the first time, makes it possible to reliably produce intelligent, dynamic, programmable, multi-fluid delivery systems. A major advantage of ISSYS' Coriolis-force micro-flow sensing system is its complementary capability in the measurement of a drug's specific gravity that is used to detect wrong medication, air bubbles, and its ability to monitor the dose, volume and detect drug flow occlusions. Complications with medication errors cause thousands of deaths per year that in many cases can be prevented by this emerging technology. These safety capabilities will push the technology into conventional single drug infusion systems in the short-term."

Company Background: ISSYS is a leader in advanced micromachining technologies for medical devices, microfluidic and scientific analytical sensing applications used in the development of drug infusion pumps and wireless, implantable sensing systems. Founded in 1995, ISSYS operates a multi-million-dollar, state-of-the-art Bio-MEMS fabrication facility located near Ann Arbor, Michigan. For more company, product and service information, please visit <http://www.mems-issys.com/>.

ATP Background: The ATP provides cost-shared funding to industry-led teams which can include non-profits and universities to help advance particularly challenging, high-risk R&D projects that have the potential to spark important, broad-based economic or social benefits for the United States. The program supports projects that industry cannot fully fund on its own because of significant technical risks. ATP awards are made on the basis of rigorous, competitive peer review of the scientific and technical merit of each proposal. Further information about ATP is available at [www.atp.nist.gov](http://www.atp.nist.gov).

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