

## **Sentient wins multiple Small Business Innovative Research contracts**

*Source: Sentient Corporation Press Release*

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Sentient Corporation has had a successful year, winning four Small Business Innovative Research (SBIR) Phase II awards in the past 12 months. These prestigious awards, from the DOD and NASA, typically provide over \$700,000 each for research and development. With these awards, Sentient has brought in over \$2.9M in research and development dollars for 2007.

Topics funded this year include: Embedded Health Monitoring for Propulsion Control System Actuators (Navy) to develop high performance model-based diagnostics for the Joint Strike Fighter F135 converging nozzle actuation system; two Air Force projects, Health Management for Gas Turbine Engine Accessory Components, to develop a model-based approach for Fault Detection and Diagnosis of aircraft engine accessories; and High Performance Sensors for Bearing Health Monitoring to develop a bearing sensor that continuously monitors the health of critical, inaccessible, harsh-environment bearings; and Model Updating in Online Aircraft Prognosis Systems, a NASA project to research advanced topics in automated fusion of diagnostic data and prognostic models.

These Phase II awards advance machinery health management capabilities in many areas and provide the technology that will enable the prognostic and health management technologies for many military and commercial applications.

### **About Sentient Corporation**

Sentient Corporation is a technology leader in the field of prognostics for military, aerospace, and industrial machinery. Sentient develops innovative software tools, embedded algorithms, and specialized sensing technologies to monitor and manage the health of critical systems. Sentient is renowned for fundamental research on machine component failure. Founded in 2001 by Sean Marble, Sentient is a privately held corporation with offices in Williston, Vermont and Idaho Falls, ID.

Contact: Dr. Julie Marble, President, [jmarble@vt.sentientscience.com](mailto:jmarble@vt.sentientscience.com), Tel: (802) 876-3100, ext 102. Internet: [www.sentientscience.com](http://www.sentientscience.com)