

## Oxidant Sensor Research Grants Total Nearly \$1 Million

**DENVER (May 9, 2007):** ADA Technologies has received a \$750,000 SBIR grant from the Department of Defense (DoD) to continue research and development of an innovative oxidant sensor technology. ADA's oxidant sensor monitors and controls biofilm formation in seawater cooling systems used in submarines, surface vessels, industrial processing plants, power plants and off-shore industrial facilities.

### *What It Does:*

ADA's oxidant sensor monitors the electrolytic halogenation of seawater, a process that uses electricity to convert natural bromide and chloride in seawater to the hypohalous acids hypobromite and hypochlorite. (Hypochlorite is the ingredient in household bleach that makes it an effective disinfectant.)

Although hypohalous acids effectively kill marine organisms that invade seawater cooling systems, they are harmful to the environment if released in large concentrations. ADA's oxidant sensor accurately monitors hypohalous acid concentration, providing real-time feedback to ensure the levels fall within a narrow range that is effective, yet harmless when discharged to the surrounding environment. Prior to ADA's R&D efforts, there was no reliable method of monitoring electrolytic halogenation.

### **NOAA Grant:**

In addition to the \$750,000 DoD grant, in late 2006 ADA received a \$200,000 SBIR grant from NOAA to research how the oxidant sensor technology could be used to reduce invasive species transported in marine ballast water tanks.

## About ADA Technologies

ADA Technologies, Inc. is a research, development, and commercialization company that specializes in creating and converting innovative technologies to commercial successes. The firm is headquartered in Littleton, Colorado, with an office on the University of Wyoming campus in Laramie. ADA has received more than 125 research grants totaling more than \$40 million and holds numerous patents for its technologies, which focus on solving problems threatening the health, security, environment and quality of life worldwide. ADA has been recognized with numerous honors, including: 2006 Tibbetts Award, 2006 Colorado Technology Fast 50, 2006 Best Companies to Work For in Colorado and Colorado's Top Technology Company 2005. For more information, please visit [www.adatech.com](http://www.adatech.com) or call 303-792-5615.

### Small Business Innovation Research (SBIR) Program

The federally funded Small Business Innovation Research (SBIR) program provides grant money to support the early-stage research efforts of small, high-tech businesses in the U.S.

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