

Engineering Matters, Inc.



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NATIONAL SCIENCE FOUNDATION AWARDS CONTRACT TO ENGINEERING MATTERS, INC. — GRANTS FUNDING FOR DEVELOPMENT OF NEW AUTOMOTIVE ELECTROMAGNETIC VALVE ACTUATOR

Funding Supports and Furthers Technology For Improving Fuel Consumption, Helping to Reduce U.S. Dependency on Foreign Oil

Newton, Mass. – October 31, 2005 – Engineering Matters, Inc., today announces it has received SBIR (Small Business Innovation Research) Phase II funding from the National Science Foundation to speed to market its Electromagnetic Fully Flexible Valve Actuator (FFVA), already in development. Electromagnetic valve actuators are the recognized solution for increasing fuel efficiency, improving performance and reducing emissions in internal combustion engines. Patented and patent-pending, Engineering Matters' FFVA promises fuel savings greater than 15 percent per year, potentially decreasing U.S. reliance on foreign energy sources.

“Engineering Matters’ product development is significant, as it has the potential to positively impact the auto industry and ultimately the U.S. economy,” states Dr. Murali S. Nair, Program Director, SBIR/STTR, National Science Foundation. “By supporting the company’s efforts to produce a revolutionary valve actuator, we envision a solution with long-range and dramatic effects.”

Engineering Matters’ FFVA offers unique capabilities such as both variable timing and variable lift, low valve seating velocity, fast transition times (up to 6000 rpm) and full-stroke force authority. It operates on a design principle distinct from existing actuators. The FFVA provides increased operational flexibility, enabling engines to perform at significantly greater efficiency while releasing fewer harmful emissions — a major benefit to the environment.

Dr. David Cope, President of Engineering Matters, states, “Obtaining the funds to complete the research and development of our valve actuator is a momentous win as the technology offers the dual promise of improved gas mileage and superior performance with multiple ensuing benefits. Both gas and diesel engines, and also hybrids, will become quieter and last longer.”

Engineering Matters’ receipt of the National Science Foundation contract will also benefit the local job economy. In a letter supporting the company’s application for the SBIR Phase II funding, U.S. Senator Edward Kennedy stated, “Funding would help create jobs in Massachusetts because area companies and local contractors would

be used to develop the new technology. Local academics and universities would also participate in creating the new valve actuator, reinforcing the important connection between area universities and essential technology which has made Massachusetts an important area for technical achievement.”

About Engineering Matters, Inc.

Engineering Matters, Inc. was launched in 1998 by three MIT (Massachusetts Institute of Technology) graduates. The Newton, MA-based company specializes in original and creative product development in electromechanical design and implementation, utilizing state-of-the-art design tools.

A woman-owned small business, Engineering Matters is dedicated to creating practical solutions to customers’ problems. Through innovation and the application of sound engineering principles, the company helps its customers attain technical superiority.

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