

**STURMAN INDUSTRIES FUNDING WINNER
FOR U. S. DEPARTMENT OF ENERGY VEHICLE EFFICIENCY PROGRAMS**

Sturman Industries of Woodland Park, CO has been selected to partner with several major automotive and off-road industry manufacturers in the latest round of Department of Energy vehicle efficiency demonstration programs, announced February 16th, 2005.

The programs, which total \$175 million, are jointly funded by the Department and the Automotive Industry. The funding is targeted at improvements in vehicle fuel efficiency while reducing emissions and at improving waste heat recovery. "Partnerships like these are a critical component of our strategy to protect the environment and reduce our nation's dependence on foreign sources of oil, two priorities of President Bush", Secretary of Energy Samuel Bodman said.

The DOE has awarded seven major programs targeting advanced combustion technologies from proposals submitted by Original Equipment Manufactures (OEMs). Sturman teamed with three of the seven OEM's whose technology demonstration proposals were selected by DOE. "These awards and industry relationships reflect the growing interest in Sturman's technology to help meet the global internal combustion engine challenges" stated Carol Sturman, co-owner and Chairman of the Board. The three programs will incorporate Sturman advanced fuel injection and/or hydraulic valve actuation (camless engine) technology as critical components. Under these, Sturman Industries will partner with, and supply equipment to, the following major industry OEM's:

- General Motors** Supply of Flexible Valve Actuation for a gasoline engine using Homogenous Charge Compression Ignition (HCCI), an engine control process which substantially improves fuel efficiency.
- John Deere** Supply of advanced Fuel Injection and Valve Actuation equipment to implement "Low Temperature Combustion" – which eliminates nitrogen oxide emissions - on a diesel engine.
- Mack Trucks** Supply of a Flexible Valve Actuation system to demonstrate an " Air Hybrid" engine concept, in which compressed air, recovered during braking, is stored and used to power the engine.

"These recent awards compliment and continue Sturman Industries' work in the area of advanced engine controls for a safer and cleaner environment, less dependent upon foreign sources of oil," noted Rick Dunagan, CEO, Sturman Industries.

Sturman Digital Hydraulic Operating System (DHOS®) technology demonstrations are enabled by ultra fast and energy efficient Sturman Digital Valves. The Digital Valves are integrated into innovative proprietary system designs that include intelligent electronics and controls strategies. DHOS® converts mechanical systems from traditional analog to more precise and efficient digital systems that are smaller, more intelligent and affordable. In engines, this equates to better fuel economy and lower emissions utilizing practical and safe technology.

"It's an honor to be recognized as one of the leading companies for advanced technology in engine controls. Sturman is dedicated to bringing the mechanical world into the digital age to help clean the air and conserve natural resources." noted Eddie Sturman, co-founder and technical lead.

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