

FY 2015 Vehicle Technologies Office Incubator Funding Opportunity Announcement

Applicant Name	Technology	Location	Description	Total Federal Share
Silatronix	New Advanced Stable Electrolytes for High Voltage Electrochemical Energy Storage	Madison, WI	This project will develop an innovative electrolyte providing stable performance at high voltage (>5V).	\$1,332,660
University of Texas Austin	Statically and Dynamically Stable Lithium-sulfur Batteries	Austin, TX	This project will develop an innovative polysulphide blocking layer to develop lithium-sulfur batteries for automotive applications.	\$891,000
Vanderbilt University	High-Performance Li-Ion Battery Anodes from Electrospun Nanoparticle/Conducting Polymer Nanofibers	Nashville, TN	This project will develop a novel electrospun anode material utilizing a conductive polymer binder.	\$1,040,030
Polymer Plus	Multilayered Film Capacitors for Advanced Power Electronics and Electric Motors for Electric Traction Drives	Valley View, OH	This project will increase the high temperature performance and stability of film capacitors in power electronic systems leading to reductions in component cost and size.	\$1,400,000
University of Minnesota - Twin Cities	Enabling Lean and Stoichiometric Gasoline Direct Injection Engines through Mitigation of Nanoparticle Emissions	Minneapolis, MN	This project will reduce particle mass and particle number in combustion of Gasoline Direct Injected engines.	\$1,090,653
Filter Sensing Technologies	Improved Fuel Efficiency through Adaptive Radio Frequency Controls and Diagnostics for Advanced Catalyst Systems	Malden, MA	The project will apply radio frequency (RF) sensing to enable advanced emission control systems and improve vehicle efficiency.	\$1,055,478
Intermolecular Inc.	High-Throughput Combinatorial Development of High-Entropy Alloys for Light-Weight Structural Applications	San Jose, CA	The project will use high-throughput techniques to accelerate the development of a new family of lightweight high strength alloys for vehicle technologies.	\$2,533,076
State University of New York (SUNY) at Stony Brook University	Single Fuel Reactivity Controlled Compression Ignition (RCCI) Combustion Enabled by Onboard Fuel Reformation	Stony Brook, NY	This project will demonstrate the efficiency and emissions improvements of RCCI combustion using a single fuel with onboard fuel reformation.	\$1,014,352