

ALD NanoSolutions, Inc.

Discover and Develop Superior Materials

ALD NanoSolutions Awarded \$100,000 Phase I STTR Grant (Aluminum Nanoparticles) from Air Force

Boulder, Colorado -August 15, 2002- ALD NanoSolutions, Inc. has announced today the award of a \$100,000 Phase I STTR grant from the Air Force Office of Scientific Research for “Atomic Layer Deposition of Oxidizer Coatings on Aluminum Nanoparticles to Fabricate Super-thermite Explosives.” These funds will be used to further the company’s research on nano-scale material applications using a proprietary Atomic Layer Deposition (ALD) process to control surface chemistry.

ALD NanoSolutions will demonstrate the ability to apply thin oxide coating on aluminum nano-particles and make single particle thermites, high temperature solid reactions that release large quantities of heat even in inert environments. This research is intended to mitigate the limitations of current thermite materials by minimizing the distance between the two components of the thermite.

This research, done in partnership with the George/Weimer Laboratories at the University of Colorado – Boulder, will show the company’s command in customizing designed materials in functions not previously adapted.

“We are focusing on compelling ALD applications with commercialization potential in the next three to five years,” said Karen Buechler, PhD., President, ALD NanoSolutions. “If successful, our breakthroughs will set the groundwork for the company to be invited to propose research for Phase II contracts, as well as facilitate strategic partnerships in specific markets.”

About ALD NanoSolutions

ALD NanoSolutions, Inc. was founded in 2002 by P. Michael Masterson, Dr. Karen Buechler, and University of Colorado Professors Dr. Steven George and Dr. Alan Weimer. The company’s proprietary technology is based on atomic layer deposition (ALD) coating chemistry methods developed by Dr. George and Dr. Weimer for depositing ultra-thin films on particulate surfaces. The company is focused on commercializing its nano-coating processes, called Particle ALD™ and Polymer ALD™, and is targeting collaborative research agreements with domain partners for the discovery and validation of innovative composite materials in selected industries. For more information, visit www.aldnanosolutions.com.

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