

NEWS RELEASE

COMPANY CONTACT

Doug Baker
Applied Nanotech Holdings, Inc.
248.391.0612
dbaker@appliednanotech.net

Applied Nanotech Selected to Receive Funding for the Remediation of Tin Whiskers

Austin, TX, November 23, 2009 – Applied Nanotech Holdings, Inc. (OTC BB: APNT) announced that it has been selected by the U.S. Missile Defense Agency (“MDA”) to receive an award of approximately \$500,000 for the development of non-contact methods for mitigation of tin whiskers from electronic devices. ANI will partner with the University of Maryland’s Center for Advanced Life Cycle Engineering on this project.

Tin whiskers are long hair like structures that commonly grow perpendicular to a metal surface, most commonly on the soldered surfaces and electroplated finishes used in nearly every electronic device made. These whiskers grow over time, causing electrical shorts and arcing that damages the equipment. The damage is most prevalent after several years of use, particularly in the case of lead free solder, which is becoming much more prevalent in the electronics industry.

During this eighteen month Phase II Small Business Technology Transfer program, which results from successful completion of a Phase I award, Applied Nanotech will focus on optimizing its patented (pending) process for the mitigation of tin whiskers. Both the MDA and NASA have reported that tin whiskers have been the cause of more than \$1 billion in catastrophic damage to satellites, missiles, and other electronic equipment.

Current recognized mitigation techniques add cost and complexity to the manufacturing process and have had mixed success. Our unique ability to perform tin whisker remediation with a pulse of energy, while simultaneously preventing new whiskers from growing, provides a distinct advantage over competitive methods.

“As the world is moving toward lead free solder, the tin whiskers issue will become very problematic, not only for defense and aerospace applications, but for all electronic products,” said Dr. Zvi Yaniv, CEO of Applied Nanotech, Inc.

“This improved method of remediation of tin whiskers is a direct outgrowth of our activity in technical inks and pastes,” said Doug Baker, CEO of Applied Nanotech Holdings, Inc. “We continue to broaden the applicability of our technology to generate increased revenues.”

ABOUT APPLIED NANOTECH HOLDINGS, INC.

Applied Nanotech Holdings, Inc. is a premier research and commercialization organization focused on solving problems at the molecular level. Its team of PhD level scientists and engineers work with companies and other organizations to solve technical impasses and create innovations that will create a competitive advantage. The business model is to license patents and technology to partners that will manufacture and distribute products using the technology.

Applied Nanotech has over 250 patents or patents pending. Applied Nanotech's website is www.appliednanotech.net.

SAFE HARBOR STATEMENT

This press release contains forward-looking statements that involve risks and uncertainties concerning our business, products, and financial results. Actual results may differ materially from the results predicted. More information about potential risk factors that could affect our business, products, and financial results are included in our annual report on Form 10-K for the fiscal year ended December 31, 2008, and in reports subsequently filed by us with the Securities and Exchange Commission ("SEC"). All documents are available through the SEC's Electronic Data Gathering Analysis and Retrieval System (EDGAR) at www.sec.gov or from our website listed above. We hereby disclaim any obligation to publicly update the information provided above, including forward-looking statements, to reflect subsequent events or circumstances.

###