



News Release

Advanced Cerametrics
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New Jersey Congressman Supporting NJ-based Green Tech Company

Lambertville, NJ; October 29th, 2010

Advanced Cerametrics, Inc. (ACI) has just been awarded a \$1.2 MM contract to power Picatinny Arsenal's state of the art situational awareness sensor system called "RRAPDS" via its piezoelectric composites, generating electricity from vibration. The "Remote Readiness Asset Prognostic/Diagnostic System" (RRAPDS) was developed by Picatinny Arsenal, NJ to provide munition lifecycle environmental monitoring and give users (local and remote) accurate "health status" awareness. The system allows for real-time access of source data and can provide critical information needed to monitor and control the structural response. This has been made possible due to Congressman Holt's assistance, as a part of his long tradition and commitment to support the troops for their immediate, most pressing needs and helping small businesses such as Advanced Cerametrics for its new green technology products designed and built in New Jersey.

ACI has transitioned its business, previously focused on industrial ceramic components manufacturing, into a leading provider of high tech energy harvesting technologies. The company is developing and commercializing its unique piezo fiber composites that convert ambient vibration and motion into useable amounts of clean electric energy. ACI's original breakthrough development - the technology to make piezoelectric and other ceramics into flexible fibers - was facilitated by a federal grant. Now, ACI's Harvestor™ energy harvesting power modules are commercially available and are used to eliminate or augment wired or battery power with perpetual and sustainable power.

With a significant congressional appropriation for fiscal 2010 funding, Congressman Holt (NJ12) has committed his support to ACI for further product development and commercialization of this exciting NJ-developed green technology that powers microelectronics and wireless sensor applications for military, industrial, transportation, aerospace, sporting goods, medical, and consumer market applications. **"This vibration energy harvesting technology offers great promise for powering an increasing number of electronic devices, in government and the private sector,"** said Holt. **"Cutting-edge small businesses like Advanced Cerametrics are key job-creators. This project and others like it will be vital in helping our nation regain its economic health. I'm pleased that Advanced Cerametrics will receive this important funding."**

This vibration energy harvesting technology is a significant development in the context of our national agenda and global priority for moving forward with green and renewable energy sources.

About Advanced Cerametrics Inc. *Energy from motion*™

Advanced Cerametrics, Inc. (ACI) pioneered the technology to manufacture ceramic in a flexible fiber form. This technology inexpensively captures the positive properties of ceramics (electrical, thermal, chemical, mechanical) and eliminates the negatives of brittleness and weight.

ACI's ceramic fibers and their composite forms offer breakthrough solutions for **energy harvesting, active vibration control, and advanced materials**. The Energy Harvestor™ provides perpetual electric power from vibration. Active Vibration Control™ uses piezo fiber composites to improve structural performance. ACI's smart materials offer advanced properties for military, medical, industrial and consumer applications.

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