

Press Announcement

JADOO POWER AWARDED CONTRACT TO DEVELOP AMMONIA BORANE POWER SYSTEMS FOR APPLICATIONS DEMANDING MORE ENERGY AND LESS WEIGHT

For Immediate Release

Folsom, California, January 27, 2009 – Jadoo Power Systems announced today the award of a U.S Air Force SBIR (Small Business Innovation Research) contract to continue development of ammonia borane (AB) based materials for advanced hydrogen generation systems. Ammonia borane compounds have been shown to deliver an 80% reduction in system weight making it a superior power solution for unmanned aerial vehicles, ground sensors and portable power applications.

Ammonia borane is a white solid hydrogen fuel stock that can be contained in pellets about the size of the tip of a person's small finger. For fuel cell power applications, this means a dramatic improvement in system size and weight while improving energy density and reducing overall system costs over current power system technologies.

In recent months, Jadoo Power received another SBIR award from the U.S. Army for its interest in the continued development of ammonia borane based materials. This new Air Force award further strengthens the military's commitment to the development of better fuel cell system technologies.

According to the Pacific Northwest National Laboratory (PNNL), a small pellet of solid ammonia borane (240 mg.) is capable of storing relatively large quantities of hydrogen (0.5 liter) in a very small volume. Each milliliter of AB weighs about three-quarters of a gram and harbors up to 1.8 liters of hydrogen. By using a solid material with a high hydrogen content, the volume required for hydrogen storage is considerably reduced, and the need for high pressure eliminated.

"We are building on the studies from the PNNL research in our own laboratory", states Mack Knobbe, Jadoo Power's Vice President of Engineering. "With this funding from both the Army and Air Force, we will deliver a military-ready power system utilizing AB based materials. This technology has a significant advantage for military and commercial fuel cell applications that demand more energy in a quiet and lightweight environment."

About Jadoo Power

Jadoo Power is an industry leader in fuel cell technology and hybrid alternative power systems. Founded in 2001, Jadoo Power is grounded in technical expertise, product development and strategic partnerships. They deliver best-in-class hybrid fuel cell power solutions to commercial, business and military applications. Jadoo Power's industry strengths go far beyond fuel cell design. They continue to lead the market in balance of plant technology, hold patents in water regulation, and stack design and continue their advancements in better fuels, storage and fuel delivery, a critical component of the hydrogen economy. For more information on Jadoo Power please visit their website at <http://www.jadoolpower.com/> ###

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