

Press Release

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Advanced Diamond Technologies Draws National Attention— U.S. Secretary of Energy Samuel W. Bodman and U.S. Representative Judy Biggert Tour New Facility Celebrating American Innovation and Public-Private Technology Transfer

Romeoville, IL, April 30, 2007—Advanced Diamond Technologies, Inc. (ADT), the world leader in developing and applying diamond films for industrial, electronic, mechanical and medical applications, recently welcomed U.S. Secretary of Energy Samuel W. Bodman and U.S. Representative Judy Biggert, Member of the House Science Committee, for a tour of its new facility to showcase American competitiveness and the production of innovative energy saving diamond thin-film products.

“We are privileged to have the time and attention of Secretary Bodman and Representative Biggert. The opportunity to demonstrate our pioneering energy saving technology to two of our country’s distinguished leaders in energy was remarkable,” said ADT president Neil Kane. ADT is commercializing ultrananocrystalline diamond (known as UNCD[®]) and its award winning DoSi[™] (diamond-on-silicon) family of wafer products developed from research at the U.S. Department of Energy’s Argonne National Laboratory (Argonne). “This day celebrates our transition from development to manufacturing,” said Kane.

“We must harness the power of the private sector and encourage this type of collaboration that enables companies to commercialize new technologies and bring their many benefits to the American public. And, that’s what today is all about,” said Secretary Bodman. “ADT represents the promise of moving technology from the laboratory setting to a commercial realm.”

Applications of ADT’s UNCD include energy, biotechnology, and information technology. ADT produces diamond-enhanced mechanical seals for pumps that save energy by reducing friction while significantly lowering mechanical wear. “The U.S. Department of Energy estimates this application, when widely deployed, would save trillions of BTUs of energy annually—about ¾ of the output of the Hoover Dam,” said Kane.

Other UNCD applications include diamond-based microelectronic devices called micro-electromechanical systems, or MEMS, which are used to enhance the power of wireless communication devices and probes made from diamond used in materials research and manufacturing.

Congresswoman Biggert is sponsoring the Energy Technology Transfer Act, a bill that would accelerate the transfer of federally developed technologies to the private sector. “What we’re seeing today are the truly remarkable advances that can result from a partnership with a private company—ADT is proof of this fact. I know what we saw today was only the tip of the iceberg,” said U.S. Representative Biggert. “We applaud Representative Biggert’s foresight in sponsoring a bill that will encourage more federally developed technologies to become commercialized just as ADT is doing,” said Kane.

About UNCD

UNCD, synthesized in thin-film form using a patented growth process, is known for its ability to seamlessly integrate with other materials. Comprised of diamond grains that are 3-5 nm in diameter—a billion-fold smaller in volume than in traditional diamond films—UNCD has many of the desirable characteristics associated with diamond, such as hardness and inertness, as well as several distinctive properties, including mirror smoothness and low-temperature synthesis that is compatible with traditional processes for semiconductor manufacturing.

About Advanced Diamond Technologies

Formed in December 2003 to commercialize the ultrananocrystalline diamond technology developed at Argonne, ADT is the exclusive licensee to Argonne's portfolio of patents for synthesizing and using UNCD and has received generous support from the National Science Foundation through its Small Business Innovation Research (SBIR) program, U.S. Department of Energy, and the Defense Advanced Research Projects Agency (DARPA). ADT is a World Economic Forum 2007 Technology Pioneer and a Red Herring 100 Award finalist, and in 2006 ADT received Frost & Sullivan's Product Innovation of the Year award and Nanotech Briefs' Nano 50™ award, as well as being a runner-up for the *Wall Street Journal's* Technology Innovation Award.

For more information on ADT, please visit www.thindiamond.com.

About the Energy Technology Transfer Act

To learn more about the Energy Technology Transfer Act (H.R. 85), please visit <http://thomas.loc.gov/>

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