

For immediate release
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Sensor Electronic Technology, Inc. wins NSF award to further advance its deep UV LEDs

Columbia, SC, USA – February 5, 2010 – Sensor Electronic Technology, Inc. (SETI), announced that it has been awarded a Phase II SBIR award from the National Science Foundation (NSF) for \$500,000 to further advance its Deep Ultraviolet (DUV) LEDs with novel proprietary and patent pending approach for High Quality p-cladding Layers for enhanced output power and light extraction.

The NSF SBIR and STTR programs mission is to increase the incentive and opportunity for small firms to undertake cutting edge, high risk, high quality scientific, engineering, or science and engineering education research that would have potential of high economic payoff if the projects are successful.

This Phase II project will develop and commercialize next-generation high-power DUV LEDs in UV-B spectral range.

The project aims to improve the LED efficiency and lifetime by improvements in the material quality, doping, and device design that will lead to low-cost, high power semiconductor DUV radiation sources with wall plug efficiency exceeding 5% and operation lifetimes greater than 5,000 hours.

Deep UV LEDs are available from SETI today at wavelengths of 240 nm to 400nm and are primarily used in medical, bio-analytical, sensing, and homeland security markets. The enhancements targeted in this project will lay the groundwork for large-scale penetration of high volume markets, such as global sanitation and disinfection.

Once operating at this level of performance, deep UV LEDs offer an environmentally friendly UV light source without the scrap and toxicity issues surrounding conventional mercury based lamps.

About SETI

SETI is the world leader in the design and manufacture of deep UV LEDs and LED lamps. LEDs and LED lamps are commercially available both with standard specifications and as custom OEM solutions. Certified to ISO9001:2008, SETI is committed to quality and exceeding customer expectations.

About NSF

The National Science Foundation (NSF) is an independent federal agency created by Congress in 1950 "to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense..." With an annual budget of about \$6.06 billion, we are the funding source for approximately 20 percent of all federally supported basic research conducted by America's colleges and universities. In many fields such as mathematics, computer science and the social sciences, NSF is the major source of federal backing.

For more information, please visit www.s-et.com or contact Tim Bettles at tbettles@s-et.com

"Our research results are based upon work supported by the National Science Foundation. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation."