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Lead Acid Battery Manufacturer Advanced Battery Concepts Wins SAE Innovation Award

Michigan-based manufacturer recognized at global ceremony for automotive professionals

CLAIRE, MI (April 27, 2015) – Advanced Batteries Concepts (ABC) was recognized in the ‘New High Value and Disruptive Technology Innovations’ category at the Global Automotive Innovation Challenge ceremony, held as part of this year’s SAE World Congress in Detroit. Judges recognized ABC’s GreenSeal® technology, which is used to improve large-format, energy storage technology and advances the performance and reduces cost of sealed lead-acid batteries.

Winners were named in four categories and included SiNode Systems, Detroit Materials and RightThereWare. Each winner will receive \$50,000 worth of business commercialization acceleration services and cash.

The congress is organized by SAE International (formerly the Society of Automotive Engineers), which is a professional association for engineering professionals working across the globe in industries such as automotive, aerospace and commercial vehicles.

The award is the latest in a string of successes since ABC began commercial production of the world’s first large-format, bipolar, sealed AGM, valve-regulated lead-acid battery in September last year. In December 2014 it won a Best Smart Grid Application award at the Global Cleantech Cluster Association (GCCA) awards, while the company was named by industry expert Dr. Robert Galyen as one of only a few companies that are changing the energy storage world at the 2014 Detroit Battery Show.

Dr. Ed Shaffer, CEO and founder of Advanced Battery Concepts, said “We’re delighted to be recognized as an innovator in automotive technology amongst a very select field of candidates. Since we launched our first range of general purpose 12V, 24V & 48V bi-polar lead-acid batteries last year, they have shown improved performance and efficiency across a number of applications by reducing size and weight of components used.

“As production increases, we are evaluating this high-power battery for a range of other applications in markets such as electric wheel chairs, e-bikes, golf cart, mining cars, floor scrubbers, medical carts and electrification of vehicles, as well as developing patents across the world.”

For more information about Advanced Battery Concepts, visit www.advancedbatteryconcepts.com.

For more information about the Global Automotive Innovation Challenge, visit www.nextenergy.org/gaic.

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Note to editors

About Advanced Battery Concepts

- Advanced Battery Concepts LLC is a global battery technology development company based in Michigan, USA
- Applications for GreenSeal® technology include stationary applications such as smart grid, solar and wind backup power and motive application such as electric wheel chairs, e-bikes, golf cart, mining cars, floor scrubbers medical carts and electrification of vehicles.
- The experienced team is led by CEO and Founder Ed Shaffer, who has more than 20 years' experience in advanced materials, seven of which in the battery industry, including senior R&D, business development and management roles. He holds a Ph.D. in Materials Science from the Massachusetts Institute of Technology
- ABC has US and multi-national phase patents for GreenSeal® Electrodes, Endo-Cool™, Cooling Technology, Endo-Safe™ Fusing Mechanism and Endo-Lock™ Technology and has recently filed for US and PCT patent applications, ViaLock™ Battery Assembly Technology, and RapidSeal™ Battery Assembly Technology.
- ABC is currently working with existing lead acid battery producers and engaging licensees to realize the commercial potential of its technology, as well as on-going production of batteries and additional research from its Battery Research & Engineering Development Centre in Michigan to broaden its technology portfolio with the aim of producing better batteries for a better world.