

US Company Announces Battery Technology Breakthrough at European Conference

Michigan-based Advanced Battery Concepts (ABC) will use the platform of the 14th European Lead Battery Conference & Exhibition (9-12 September 2014), at the Edinburgh International Conference Centre to formally announce that it has started commercial production of its patented advanced lead acid battery technology.

After four years of continuous design, testing and manufacturing development, ABC will use the exhibition to showcase the world's first large format, bipolar, sealed AGM, valve-regulated lead acid battery, with the potential to revolutionize the lead acid battery industry. Among its launch products, ABC will display two ICE 61056-certified general purpose 24V and 48V mono-block batteries that demonstrate greater efficiency, power and cycle life, enhanced stand and float performance and improved reliability, while eliminating the need for extensive cabling and multiple connections.

On the final day of the conference (12th September), CEO Ed Shaffer and his senior team will deliver a key address on the potential of ABC's GreenSeal® electrode technology – now patented in the USA and China with other countries pending – and explaining how its simplified battery designs can significantly reduce manufacturing and storage costs and increase performance without using exotic materials or relying on complex processes.

Dr. Edward Shaffer, CEO and founder of ABC, commented;

"It has been a significant challenge to develop a commercial battery in such a large format that delivers consistently high performance results and combines the additional benefits that come with a sealed unit and AGM technology. The end result is a battery design that reduces manufacturing costs and the cost of ownership, uses 45% less lead than standard VRLA batteries and charges in around half the time. The batteries are also 100% compatible with existing charging and recycling systems."

Advanced Battery Concepts (ABC) recently joined the Advanced Lead Acid Battery Consortium (ALABC), an international research organization comprised of lead producers, battery manufacturers, equipment suppliers and research institutions dedicated to improving lead-acid batteries for use in a variety of energy storage applications. Dr. Shaffer continued;

"As we move into commercial production, we felt that the time was right for Advanced Battery Concepts to make a valuable contribution to ALABC's programs. We are also developing a low cost, high voltage,

high performance mono-block PSOC (Partial State Of Charge) advanced lead acid battery for automotive applications, which could further ALABC's aspirations for this sector in particular."

After attending the 14th European Lead Battery Conference & Exhibition, Advanced Battery Concepts will exhibit at The Battery Show in Novi, Detroit, USA (16th - 18th September 2014). In addition to pursuing additional patents for GreenSeal® and a number of other product and assembly technologies, ABC is seeking to engage a number of licencees to realise the commercial potential of its products in different markets around the world.

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For more information or to request an interview with Dr. Edward Sheffer during the 14th European Lead Battery Conference & Exhibition (Edinburgh, 9-12 September) or The Battery Show, Novi, Detroit, USA (16th - 18th September 2014) then please contact:

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