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# Bi-Polar Lead-Acid Battery Maker Advanced Battery Concepts and Conductive Plastic Bi-Polar Plate Maker Integral, Announce a Joint Technology Assessment Program

EVANSVILLE, Ind., April 26, 2016 /PRNewswire/ -- [Integral Technologies, Inc.](#) (OTC-BB: ITKG) ("Integral"), an emerging light-weighting leader and its wholly owned subsidiary [ElectriPlast Corp.](#), today announces that [Advanced Battery Concepts](#) (ABC), an industry recognized technology leader in large format bi-polar battery design and manufacture, have entered into a Joint Technology Assessment Program (JTAP) agreement.

The JTAP will involve the use of the ElectriPlast bi-polar plate in the existing architecture of the ABC GreenSeal® 12V battery, for the purpose of assessing the performance, efficacy and cost efficiency of Integral's ElectriPlast® bi-polar plate. The JTAP will evaluate the production readiness of bi-polar batteries manufactured with ElectriPlast bi-plate materials and processes, as well as measure key performance metrics including capacity, capacity at rate, high temperature stand loss and cycle life.

[ABC's GreenSeal®](#) bi-polar advanced lead acid batteries have been developed over the last five years and are protected with global patent coverage. ABC's GreenSeal® technology reduces the lead content of a traditional lead acid battery by over 46% and batteries are fully recyclable in today's existing recycling system. ABC's GreenSeal® battery performance significantly exceeds the performance of existing VRLA batteries demonstrating longer cycle life, lighter weight, higher power and lower cost of manufacture. ABC's GreenSeal® batteries are ideal for a range of applications including SLI, traction, renewables, low speed EV, standby, marine, peak power shaving and many other applications.

"I always love to see new technologies coming into the lead-acid battery space," said Dr. Edward O. Shaffer II, Chief Executive Officer and Founder, Advanced Battery Concepts. "I am a firm believer that the bi-polar battery is the lead-acid battery of the future. We prototyped a battery a few months ago with ElectriPlast bi-polar plates and we are very keen to explore their full potential. The JTAP will allow us to fully explore ElectriPlast's bi-plate technology to assess its suitability for inclusion within our bi-polar battery for specific applications. It is an exciting time to be working on novel bi-polar solutions for the lead acid battery industry."

"We're thrilled to be working with Ed Shaffer and the Advanced Battery Concepts team," says Doug Bathauer, President and CEO, Integral Technologies. "We learned very early on in our bi-polar plate development, that they are regarded as the technology leaders in the lead-acid, bi-polar battery industry. As the quest for improved energy storage continues on many fronts, lead acid remains dominate. We believe that lead acid bi-polar technology represents a significant improvement over existing lead acid technologies with the potential to replace the majority of existing battery designs in the near future."

"ElectriPlast offers an alternative bi-polar plate design based on a plate core made of highly conductive loaded resins and with metal/lead covered surfaces," says Slobodan "Bob" Pavlovic, VP Engineering of ElectriPlast Corp, who directs material research, product development and design initiatives for the company. "The molding process for our bi-polar plate allows the flexibility to produce a nearly unlimited number of 3D shapes and sizes, which allow the bi-polar plate and integral structures to be executed in any desired embodiment. This flexibility allows us to fit our ElectriPlast bi-polar plate into the existing ABC 12V bi-polar battery which is the perfect platform for the evaluation of our technology via direct comparison with their state of the art product."

#### About Integral Technologies, Inc.

Integral Technologies Inc. (OTC-BB: ITKG) and wholly owned subsidiary ElectriPlast Corp, engage in the discovery, development, and commercialization of electrically conductive hybrid plastics used primarily as raw materials in the production of industrial, commercial and consumer products and services worldwide. Its core material, ElectriPlast®, is a non-corrosive, electrically conductive resin-based material whose properties allow it to be molded into any of the infinite shapes and sizes associated with plastics, rubbers and other polymers while reducing component weight by 40 to 60%. Integral is a leader in conductive hybrid plastics with a broad Intellectual Property portfolio referencing its ElectriPlast technology. Applications for ElectriPlast include: Shielding Wire, Power Electronics, Connectors, and Cables; Shielding, Conduction, Batteries, Semiconductors, Heated Elements, Sensors, Antennas, Medical Devices, Consumer Electronics and Acoustics, Fuses, Capacitors, Resistors, RFID, Bus bars and Terminals.

#### About Advanced Battery Concepts

Advanced Battery Concepts, LLC is a battery technology development company based in Clare, Michigan, and is the first company to successfully design a bi-polar lead acid battery and develop and implement a commercially viable manufacturing process for such batteries. Even though GreenSeal® batteries reduce the lead content by as much as 46%, they produce the same amount of energy as conventional lead acid batteries. In addition, they offer improved cycle life, improved power and faster recharging. Advanced Battery Concepts 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.

For more information, visit [www.advancedbatteryconcepts.com](http://www.advancedbatteryconcepts.com)

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