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Integral Technologies Announces Breakthrough Bipolar Battery

Corrosion Resistant, Leakage Free Patent Pending Bipolar Plate for the Battery Industry

CANTON, Mich., May 19, 2015 /PRNewswire/ -- [Integral Technologies, Inc.'s](#) (OTC-BB: ITKG) wholly owned subsidiary [ElectriPlast Corporation](#), today announces the company's invention of a patent pending, highly conductive plastic bipolar plate which will be developed into a lightweight, moldable and cost effective battery. This is another example of ElectriPlast's lightweighting benefits available to serve a new market vertical, batteries and power storage. Additionally, the ElectriPlast bipolar plate provides further benefits to manufacturers and end users, as it reduces steps and time in the manufacturing process, provides flexibility in the form factor of the battery, and is environmentally friendly.

"A view shared by many throughout the industry is that lead acid technology is reaching a sunset phase in the development cycle," says Doug Bathauer, President and Chief Executive Officer, Integral Technologies. "This is evident by the ongoing efforts to develop other technologies. While lithium ion, for example, is taking center stage, lead acid is still the 'tried-and-true' technology."

The worldwide market demand for lead-acid batteries was estimated to be \$44.7B in 2014 and "projected to reach \$58.5B by 2020," reports [Future Market Insights](#). "Based on our high volume processing capability and elimination of the multiple components needed to assemble other material based plates, our conductive polymer based bipolar plate is very cost effective," says Bathauer. "Working within the industry and with the Integral Advisory Board, we are in the process of developing partnerships to realize the potential of this new market segment."

"ElectriPlast's unique properties allow us to tailor the conductivity and resistance of the bipolar plate substrate and subsequent surface treatment processes to create a low resistance bipolar plate as the contact to the active paste materials," says Slobodan "Bob" Pavlovic, VP Engineering of ElectriPlast Corporation who directs material research, product development and design initiatives for the company. "Our bipolar plate is created using a molding process enabling the creation of assembly interfaces that are suitable for multiple sealing solutions which vary from sonic/vibe welding to integrated seals compatible with battery environments. Mechanically robust, the polymer based structure of the bipolar plate allows for ease of handling and assembly as well as resistance to stresses in the battery environment."

"The molding process allows us to produce 3D shapes which allow the bipolar plate and integral structures to be produced in any desired form," said Mohammad Zeidan, CTO,

ElectriPlast Corporation. "We are able to create reliable seals between the plates and enclosure to prevent electrolyte leaking."

For more information, visit www.bipolarbatteryplate.com or email info@electriplast.com.

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.

Safe Harbor Statement

This press release contains "forward-looking statements" within the meaning of Section 27A of the 1933 Securities Act and Section 21E of the 1934 Securities Exchange Act. These statements include, without limitation, predictions and guidance relating to the company's future financial performance and the research, development and commercialization of its technologies. In some cases, you can identify forward-looking statements by terminology such as, "may," "should," "expects," "plans," "anticipates," "believes," "estimates," "predicts," "potential," "continue," or the negative of these terms or other comparable terminology. These forward-looking statements are based on management's current expectations, but they involve a number of risks and uncertainties. Actual results and the timing of events could differ materially from those anticipated in the forward-looking statements, as the result of such factors, risks and uncertainties as (1) competition in the markets for the products and services sold by the company, (2) the ability of the company to execute its plans, (3) other factors detailed in the company's public filings with the SEC, including, without limitation, those described in the Company's annual report on Form 10-K for the year ended June 30, 2014 as filed with the Securities and Exchange Commission and available at www.sec.gov, and (4) the parties may be unable to agree upon definitive agreements. You are urged to consider these factors carefully in evaluating the forward-looking statements.

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