



IBU-tec advanced materials AG: Important project in the fast-growing battery materials sector for stationary energy storage with distinguished partners

- Research project with 6 partners, including VARTA Microbattery GmbH and funding from the Federal Ministry of Education and Research
- IBU-tec is extending its technology base with iron oxide particles as the basis for iron-slurry electrodes
- Pulsation reactors: proprietary and patented IBU-tec technology is increasingly used in battery materials creation.

Weimar, 15 January 2019 - IBU-tec advanced materials AG ("IBU-tec", ISIN: DE000A0XYHT5) is pushing the technological envelope in the field of battery materials for stationary energy storage, as a principle partner of a significant, government-funded research project. With the production start of fine-grain iron oxide particles, IBU-tec is trailblazing a new class of battery materials. The technological innovation allowing for the development and production of these new battery materials is unique and comprehensively patented to IBU-tec, pulsation reactor technology.

As a key member of a six-partner joint venture, including global battery leader VARTA Microbattery GmbH and the renowned Jülich Research Center, IBU-tec processes are currently in development for a new, iron-based, slurry air accumulator for stationary, high-capacity energy storage. The three-year research project funded by the Federal Ministry of Education and Research (BMBF), begins February 2019.

IBU-tec's partnership role is process development for iron oxide particles production, a key component of stationary energy storage systems and starting materials for iron slurry electrodes. Battery materials for stationary energy storage and the automotive sector, already comprise a substantial part of IBU-tec's product portfolio and represent significant growth drivers for the company.

Ullrich Weitz, CEO of IBU-tec, comments: "The fact that we are part of this major research project together with such internationally renowned partners shows the excellent market position that IBU-tec occupies in the field of battery materials. Together we are now conducting research to develop stationary energy storage systems with higher capacity and thus to be innovation drivers in an important future market. We already have a large number of national and international customers in the field of electromobility and stationary energy storage and are not committed to a single technological approach".

Dr.-Ing. Matthias Ommer, Head of Research & Development at IBU-tec, adds: "We are looking forward to an attractive project. Metal-air batteries can be an important component on the way to efficient energy storage. They require special iron slurry electrodes. IBU-tec is now working on developing thermal processes for the production of the iron oxide particles required for this. By increasingly being able to use our patented pulsation reactor for new solutions in battery materials, we are further strengthening our competitive position".

About IBU-tec

IBU-tec advanced materials AG is a fast growing, highly specialized, development and production, service provider for the thermal process engineering industry for the treatment of inorganic powders and granules, resulting in superior material properties. Through the acquisition of BNT Chemicals GmbH, the existing core services business of IBU-tec has been supplemented by the tin-based BNT product portfolio and the wet chemistry segment, significantly expanding its positioning and value creation

IBU-tec addresses worldwide megatrends such as green mobility (e-mobility and automotive catalysts), green economy (including CO₂-reduced building materials, rare earths, stationary energy storage) and medical technology (including artificial joints and dental prostheses) through its broad, international customer base. IBU-tec's market success is based on its own flexible technology platforms, unique patented processes and the comprehensive know-how of its 235 employees

Further information can be found on the Internet at www.ibu-tec.de.

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