

**01.02.2017****Novosibirsk Plant Liotech Expands the Sales Geography**

New export operations and the company's expansion in the domestic market indicate that Liotech (Novosibirsk), company producing innovative lithium-ion batteries, is emerging from the crisis. Information about its close-down was disproved.

At the end of January, the second consignment of trolley buses with increased operating range was shipped to Zárate, Argentina. The distinctive feature of these vehicles produced by Trolza plant is the installed lithium-ion accumulators manufactured by Liotech. The core material of the enhanced accumulators is nanostructured lithium-iron-phosphate (LiFePO<sub>4</sub>). Such power storage devices are durable, highly stable and have a relatively low price, that is 10% lower than foreign analogues.

In addition, as a part of Liotech and Trolza cooperation, a large consignment of trolley buses with increased operating range will be shipped in the nearest future for use in Southern Russia.

"At this stage, the accumulator assembly is carried out on-site; in other words, we manufacture finished products. Such provision of finished products is a new chapter in the company's history, which corresponds to the company's strategy to transfer the plant from cells production to release of finished battery banks and power storage devices. They are suitable to trolley buses with increased operating range, as well as electric buses and commercial electric vehicles," said Valery Yarmoshchuk, CEO, Liotech-Innovations Ltd.

In addition, Trolza placed a new order at Liotech to develop new accumulators LFP-170 with decreased capacity and enhanced performance. The contract requires supply of 34 SKD sets of LIAB (Lithium-ion accumulator batteries with DCS and thermostating). At this moment, the documentation for this product, which is scheduled for release at the end of May, 2017, is being developed.

Also, Liotech supplies the energy market. Thus, another RUSNANO portfolio company recently launched the hybrid electric power plant (AHEP) in the village of Menza, Trans-Baikal Territory, Russia. AHEP consists of solar modules of 120kW in total power, and two diesel generators of 200kW each. The accumulator cells for the power storage device with 300kWh capacity produced by Liotech were used for the electric power plant development. As planned, in 2017, Hevel will build two more hybrid electric power plants in the Trans-Baikal Territory, Russia, where Liotech power storage devices can also be used as a completely finished containerized product, including all electronic and control systems (the supplier's choice will be defined upon the tender). The latest plant's innovations will be used for Liotech power storage devices with a full quality assurance.

Furthermore, Russian producers of commercial transport vehicles inquire delivery of LIAB sets both for electric motor vehicles, electric buses, and special



equipment. At this moment, the finished solutions for other specialized machinery are also being developed.

### **About RUSNANO**

**RUSNANO** was founded as a joint stock company in March 2011, through reorganization of state corporation Russian Corporation of Nanotechnologies. RUSNANO is instrumental in realizing government policies for nanoindustry growth, investing in financially effective high-technology projects that guarantee the development of new manufacturing within the Russian Federation. The company invests in nanotechnology companies directly and through investment funds. Its primary investment focus is in electronics, optoelectronics and telecommunications, healthcare and biotechnology, metallurgy and metalwork, energy, mechanical engineering and instrument making, construction and industrial materials, chemicals and petrochemicals. The Government of the Russian Federation owns 100 percent of the shares in RUSNANO. By the moment thanks to RUSNANO's investments 73 plants and R&D centers are launched in 28 regions of Russia.

**Management of the investment assets of RUSNANO** are carried out by a limited liability company established in December 2013, RUSNANO Asset Management. **Anatoly Chubais** is Chairman of its Executive Board.

Work to establish nanotechnology infrastructure and carry out educational programs is fulfilled by RUSNANO's **Fund for Infrastructure and Educational Programs**, which was also established during the reorganization of the Russian Corporation of Nanotechnologies.

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