

15.04.2019**RUSNANO and KAMAZ Sign Strategic Partnership Agreement**

RUSNANO and KAMAZ PJSC have signed a strategic partnership agreement in connection with the planned development and production of batteries for electric vehicles and also of stationary appliances using rechargeable lithium-ion cells. The document establishes a basis for the implementation of joint projects to build up the manufacture of electric vehicles in Russia and develop power storage systems based on rechargeable lithium-ion cells. It takes the partnership between the two companies to a new, global level.

The agreement was signed by **Anatoly Chubais**, Chairman of the Executive Board of RUSNANO Management Company, and **Sergey Kogogin**, General Director of KAMAZ PJSC. The signed agreement grants KAMAZ special terms when purchasing rechargeable lithium-ion cells from Liotech-Innovations Ltd., one of RUSNANO's portfolio companies. The volume of rechargeable lithium-ion cells to be delivered to KAMAZ's assembly shops and its components manufacturers will be determined at a later date, and will depend on the customer's requirements. The partners also plan to develop, test and launch the mass production of efficient rechargeable power cells, modules and traction batteries for various types of electric buses (with dynamic, night-time and ultra-fast charging regimes) and for other types of electric vehicles, including both models currently manufactured by KAMAZ and planned new models.

Anatoly Chubais, Chairman of the Executive Board of RUSNANO Management Company, commented on the agreement: "The partnership with KAMAZ is the first step in Liotech's transition from a manufacturer of lithium-ion cells to an OEM that supplies rechargeable batteries. This transition is consistent with global practice in the area of power storage solutions, and is a sign that Russian customers are starting to use lithium-ion power storage devices on a large scale. This agreement will help Liotech, one of our portfolio companies, to plan its range more effectively and offer KAMAZ products and technologies that better suit its needs. Every day, in countries around the world, hundreds of thousands of electric buses are launched on public transport routes, and the electric vehicle market is now worth several billion dollars. We see it as inevitable that Russia will also follow this trend towards the use of electric vehicles. This partnership with the largest Russian manufacturer of freight and passenger vehicles will enable RUSNANO to develop economically viable ready solutions that satisfy the needs of urban transport systems."

"The power storage system accounts for about 30% of the cost of an electric bus. Therefore the transition to Russian lithium-ion power storage devices will enable



significant reductions in the cost of electric buses, and will help us minimise dependence on imported parts, which will be one more step forward in our company's move to replace imports with domestic production," said **Sergey Kogogin**, General Director of KAMAZ PJSC.

Under their agreement, RUSNANO and KAMAZ will also draw up joint proposals to strengthen state support for the development of the Russian market for electric vehicles which use domestically-produced lithium-ion power storage devices, in various regions of the Russian Federation. The partners will also draw up initiatives to be included in the regional programmes for public transport development, aimed at the creation of environmentally clean and convenient public transport fleets which meet all internationally-accepted transport safety standards. The adoption of a comprehensive approach to the evaluation of transport systems will make it possible to choose the optimal charging technologies, and the right combination of such technologies, for use in large cities.

***KAMAZ PJSC** is the largest manufacturer of trucks and diesel engines in Russia. It is one of the world's top 20 producers of freight vehicles, by production volume. KAMAZ trucks are exported to more than 80 countries. KAMAZ is a full-cycle vehicle manufacturer, which combines metallurgy, hammer forging, machine assembly, special machine manufacture and tool-making. It has 16 specialised factories in the Russian Federation and the CIS countries, 9 of which are located in Naberezhnye Chelny, and these contain all the required power generation and auxiliary facilities required for the company's operations. In addition to its development and manufacture operations, the company also services freight vehicles and light passenger vehicles, and engages in domestic and international trade, among other types of activity. The factory's main production capacity is centred in the Naberezhnye Chelny industrial zone, and the KAMAZ central office is also in Naberezhnye Chelny. The company has 40,000 employees.*

For more details about the company, see www.kamaz.ru

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***RUSNANO Joint-Stock Company** was founded in March 2011 through reorganization of state corporation Russian Corporation of Nanotechnologies. JSC RUSNANO contributes to implementation of the state policy on the development of the nanotechnology industry by investing directly and through investment funds of nanotechnology in financially effective high-technology projects providing the development of new production facilities in the Russian Federation. 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. 100 percent of RUSNANO's shares are state owned. Thanks to RUSNANO's investments, there are currently 97 factories and R&D Centers opened in 37 regions in Russia. JSC RUSNANO has profit for the last 4 years.*



Management of assets of RUSNANO JSC is carried out by Limited Liability Company established in December 2013, RUSNANO Management Company. Anatoly Chubais is the 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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