



Press-release
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KRET has created a universal charging stations for electric vehicles

KRET has developed the FORA universal charging stations for the rapid charging of electric vehicles in Russia and abroad. Two modifications for the prototypes will be presented at the KRET pavilion during the 3rd international forum Engineering Technologies-2014.

According to the KRET press service, the State Ryazan Instrument Plant, which is part of KRET, has made three working prototypes of the FORA charging station, one of which operates in MODE-2 (slow charge) and two that deliver an express charge of 20 kW.

The project to develop working models of the charging stations at the Ryazan Instrument Plant aims to create both alternating current (AC) and direct current (DC) charging stations for batteries of all types of electric vehicles. The main advantage of the direct current stations is a charging speed ten times faster than one using alternating current.

The universal charging station was developed in particular for the VAZ-1817 EL LADA vehicle and can provide an electric charge for 220 V AC batteries. The project for a universal charging station for DC batteries of up to 50 kW in accordance with international standards is currently in development and pre-production. A range of production and technological tests are currently being run on the charging station.

The FORA universal charging station will be one of the best options for for charging batteries, easily adapting to electric vehicles from a range of manufacturers, such as Tesla, Mitsubishi, AVTOVAZ, and others.

According to experts, Russia currently needs at least 500,000 electric charging stations of all types. There are currently around 300,000 electric cars in the world, although that number is expected to rise to 5.7 million by 2017. By 2020, electric vehicles may reach 5-10% of all cars in the world.

The concern *Radio-Electronic Technologies (KRET)* is Russia's largest holding company in the radio-electronics industry. Founded in 2009, it is now a part of the state corporation Rostec. KRET specializes in the development and manufacture of avionics systems for civil and military aviation, air-based radar, state identification systems, multipurpose instrumentation, electrical connectors and cable systems. Additionally, the concern's enterprises produce various household appliances, medical equipment, and control systems for energy, transportation, and engineering industries. KRET, which includes 97 enterprises, design bureaus, and production plants located in 29 constituent territories of the Russian Federation, employs more than 66,000 people.

The state company *Rostechologies (Rostec)* is a Russian corporation that was established in 2007 to promote the development, production, and export of high-tech industrial products for civilian and military purpose. It is made up of 663 organizations that are divided up into 9 holding companies dedicated to the defense industry and 6 holding companies in the civilian industry. Rostec organizations are located in 60 regions of the Russian Federation and deliver products to more than 70 countries. In 2012, Rostec revenue amounted to RUB 931 billion, with a net profit of RUB 38.5 billion. The tax payments to budgets of all levels exceeded RUB 109 billion

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