RUSSIAN HELICOPTERS SHOWCASES UNMANNED TILTROTOR AT HELIRUSSIA-2017

News / Events / Festivals, Manufacturer

Russian Helicopters, part of State Corporation Rostec, featured a prototype of an unmanned tiltrotor created by VR-Technologies design bureau, at the 10th International Helicopter Industry Exhibition HeliRussia-2017.

The prototype of the UAV was first shown at the Army-2016 International Military Technical Forum in September 2016, after subsequently the tiltrotor was retrofitted with a control system for rotary power units and tested at semi-simulation stands.

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The Russian Helicopters stand at HeliRussia is featuring the prototype, which is currently undergoing flight tests. To date, flying and hovering tests in a copter mode have been fully completed, and automatic control systems are being tested at a stand for flights in the airplane mode. The first stage of the tests will be completed within two months. As a result, the UAV will be finalized - it will be equipped with a hybrid power unit, which will increase its flight range and duration.

"In the future, the unmanned tiltrotor will be used for remote monitoring and diagnostics of various objects, for transporting small loads to hard-to-reach places, as well as for geodetic and cartographic work. Currently, negotiations are underway with operators of the Northern Sea Route, oil and gas pipelines and power lines. Moreover, the technical concept of the UAV was developed in coordination with these companies," said the CEO of VR-Technologies Alexander Okhonko.

By the fourth quarter of 2017 the tiltrotor will enter the second stage of testing, during which it will be tested in various flight modes, weather conditions and target payload elements. Mass production is tentatively scheduled for the end of 2018.

Russian Helicopters, (part of State Corporation Rostec), is one of the global leaders in helicopter production and the only helicopter design and production powerhouse in Russia. Russian Helicopters was founded in 2007 and is headquartered in Moscow. The company comprises five helicopter production facilities, two design bureaus, a spare parts production and repair facility, as well as an aftersale service branch responsible for maintenance and repair in Russia and all over the world. Its helicopters are popular among Russian ministries and state authorities (Ministry of Defence, Ministry of Internal Affairs, Emergency Control Ministry), operators (Gazpromavia, UTair), major Russian corporations. In 2015 its IFRS revenues increased 29.5% to RUB 220.0 billion. Deliveries reached 212 helicopters.

State Corporation Rostec is a Russian corporation founded in 2007 for the purpose of promoting the development, production and export of hi-tech civilian and military industry products. It comprises 700 organisations, nine of which have now been formed as holding companies of the military-industrial complex, six of them are involved in civil industries and 32 are directly controlled. Rostec's portfolio includes recognised brands such as Avtovaz, Kamaz, Kalashnikov Concern, Russian Helicopters, and VSMPO-AVISMA. Rostec's organisations are located in 60 constituent entities of the Russian Federation and supply their products to the markets of more than 70 countries. The revenue of Rostec in 2015 amounted to RUB 1.140 trillion. Average salaries within the Corporation amounted to RUB 41 thousand and tax deductions into the treasuries at all levels exceeded RUB 160 billion. According to the new Rostec strategy, the new main goal of the Corporation is to facilitate technological advantage of Russia at highly competitive international markets. Planned volume of investments into development until 2025 is RUB 4.3 trillion.

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