



## **Rostec to Fit the Ansat Helicopter with VK-650V Engine**

*May 19, 2022  
Press Release*

### **JSC ODK Klimov of Rostec United Engine Corporation is working on adapting the VK-650V for the engine replacement in Ansat, Ka-226T and other helicopters.**

As of now, an addendum to the terms of reference has been drawn up, and coordination schedules for the helicopters and the engine are being finalized. State-of-the-art “digital twin” technology will be applied for further development of the engine. This technology enables high-performance computing, control system development, simulation of field tests, and optimization of automated data exchange and data processing.

“Considering the wide application opportunities of the VK-650V, bench tests will be carried out with the prototypes of the commonality-based engine. This year we have to provide the Ansat helicopter with full-scale mock-ups for systems layout, and next year we have to supply the engines for flight tests. In 2024 we plan to obtain a type certificate for a domestic turboshaft engine for Ansat and Ka-226T helicopters,” said Vladimir Artyakov, First Deputy CEO of Rostec State Corporation.

The advantages of the VK-650V include modular design, long engine life, and digital auto-regulation system of the FADEC type. The commonality-based engine is suitable for various types of multi-purpose helicopters, both in twin-engine and single-engine versions. Engineering tests of the power plant are currently underway.

In 2019, UEC has initiated the development of an engine in the 500-600 hp class. The main developer of the engine is JSC ODK Klimov. The demonstrator engine was built in 2020, and the first launch with combustion chamber ignition took place in January 2021. The first prototype engine was also manufactured last year.

**JSC United Engine Corporation (part of Rostec State Corporation)** is an integrated structure specializing in the development, mass production and maintenance of engines for military and civil aircraft, space programs and the navy, as well as oil and gas and energy industries.

**Rostec State Corporation** is Russia’s largest manufacturing company. It is celebrating its 15th anniversary in 2022. Unites more than 800 scientific and industrial organizations in 60 regions of the country. Its key businesses include aircraft engineering, radioelectronics, medical technologies, innovative materials, etc. The company supplies its products to more than 100 countries worldwide. Hi-tech export sales make up almost a third of Rostec revenues.

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