



Rostec Created Russian-Made Engine Control System for SSJ-NEW

*January 27, 2022
Press release*

Rostec's United Engine Corporation has created an automatic control system (ACS) for the new PD-8 aircraft engine, which is planned to equip the SSJ-NEW passenger airliner. The equipment that controls the operation of the power plant, including thrust parameters and fuel consumption, is assembled from 100% domestic components and materials.

Specialists of the Perm-based "UEC-STAR" enterprise completed the development of the PD-8 ACS in shortest time possible: it took just a year and a half to get from signing the technical assignment to the assembly of the first sample. Mass production of this equipment is scheduled to start in 2023 when the qualification work is completed and permits are obtained.

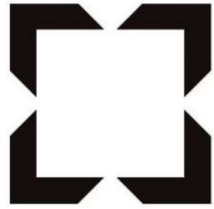
"The automatic control system for the PD-8 engine to equip the SSJ-NEW airliner used within the framework of the import substitution program will be assembled from completely domestic materials and electronic components. The system has a long service life and is resistant to failures. In January 2022, it will complete fine-tuning and bench testing, after which it will be handed over for bench tests as part of the engine," said Vladimir Artyakov, First Deputy General Director of Rostec State Corporation.

To recap, Rostec presented the PD-8 gas generator, the "heart" of the PD-8 engine, at MAKS air show in 2021. At the moment, two copies of the gas generator have been assembled and have successfully passed the tests. The tests confirmed the correct operation of the units, meeting the required temperature and pressure parameters, and their compliance with the relevant environmental standards. Obtaining a type certificate for the PD-8 is scheduled for 2023.

The creation of the PD-8 basic propulsion system for use in the SSJ-NEW aircraft is carried out in broad cooperation between UEC enterprises using the experience of making the PD-14 engine.

Technodinamika is an industrial holding company uniting more than 100 enterprises manufacturing products for both military and civil purposes. It specializes in development, production and after-sales service of aircraft systems and units, manufactures parts and units for oil, gas, automotive, transport and energy industries. The holding develops and manufactures all types of systems for air dropping of military equipment, personnel, cargo, modern technical training aids for flight and maintenance personnel, creates training centers for different areas of training. The holding manages the leading enterprises in the field of development and production of ammunition, explosives and powder propellants. The holding is part of Rostec State Corporation.

Rostec State Corporation is one of the largest industrial companies in Russia. It unites more than 800 scientific and industrial organizations in 60 regions of the country. Its key areas of activity are aircraft engineering, radioelectronics, medical technologies, innovative materials, etc. The corporation's portfolio includes such well-known brands as AvtoVAZ, KAMAZ, UAC, Russian Helicopters, UEC, Uralvagonzavod, Shvabe, Kalashnikov, etc. Rostec is active in the implementation of all 12 national projects. The company is a key provider of Smart City technology, it is engaged in the digitalization of public administration, industry and social sectors, and it is developing plans for the development of 5G wireless technologies, an Industrial Internet of Things, big data and blockchain systems. Rostec partners with leading world manufacturers such as Boeing, Airbus, Daimler, Pirelli and Renault. The



Rostec

corporation's products are delivered to more than 100 countries worldwide. Almost a third of the company's revenue comes from the export of high-tech products.

Press Service of Rostec State Corporation

T: +7 (926) 911-28-36 / 24, Usacheva Str., Moscow / www.rostec.ru