



ROSTEC CREATED RUSSIAN-MADE ENGINE CONTROL SYSTEM FOR SSJ-NEW

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Rostec 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.

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