

Press Release

PBS Velka Bites, a.s.

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PBS GROUP Begins Testing 3D Printing Technology for Aircraft Component Manufacturing

PBS GROUP is expanding the technological capabilities of its PBS Velka Bites manufacturing plant with 3D printing. Successful implementation of this technology could lead to faster and more efficient production of selected aircraft components. The first 3D-printed component is the exhaust system for the PBS TJ40 jet engine.

PBS GROUP has launched a project to test additive manufacturing of selected components for the aerospace industry. The project aims to verify the potential applications of 3D printing technology in manufacturing non-critical parts for jet engines, auxiliary power units, and air conditioning systems.

"The implementation of 3D printing in our manufacturing process could bring significant advantages – from reduced production times and material savings to simplified component design. This technology offers the possibility of more efficient production with lower costs and reduced material consumption," stated PBS GROUP CEO Pavel Čechal.

The first component manufactured using 3D printing is the exhaust system for the PBS TJ40 jet engine. It is currently undergoing a series of rigorous tests in real operating conditions, where it is exposed to temperatures exceeding 750°C. The test results will help determine the project's future direction and the potential for using 3D printing for additional components.

About the Company:

PBS GROUP has a long-standing tradition in the aerospace and engineering industries. Its products are used in numerous industrial and defence applications, with the company increasing its production capacity in response to growing demand across all markets. In recent years, PBS GROUP has also been actively involved in international technical and development projects and has been expanding its portfolio with innovative technologies.

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