RUSSIAN SCIENTISTS FINISH AIRCRAFT 'NERVOUS SYSTEM' TO IMPROVE FLIGHT SAFETY

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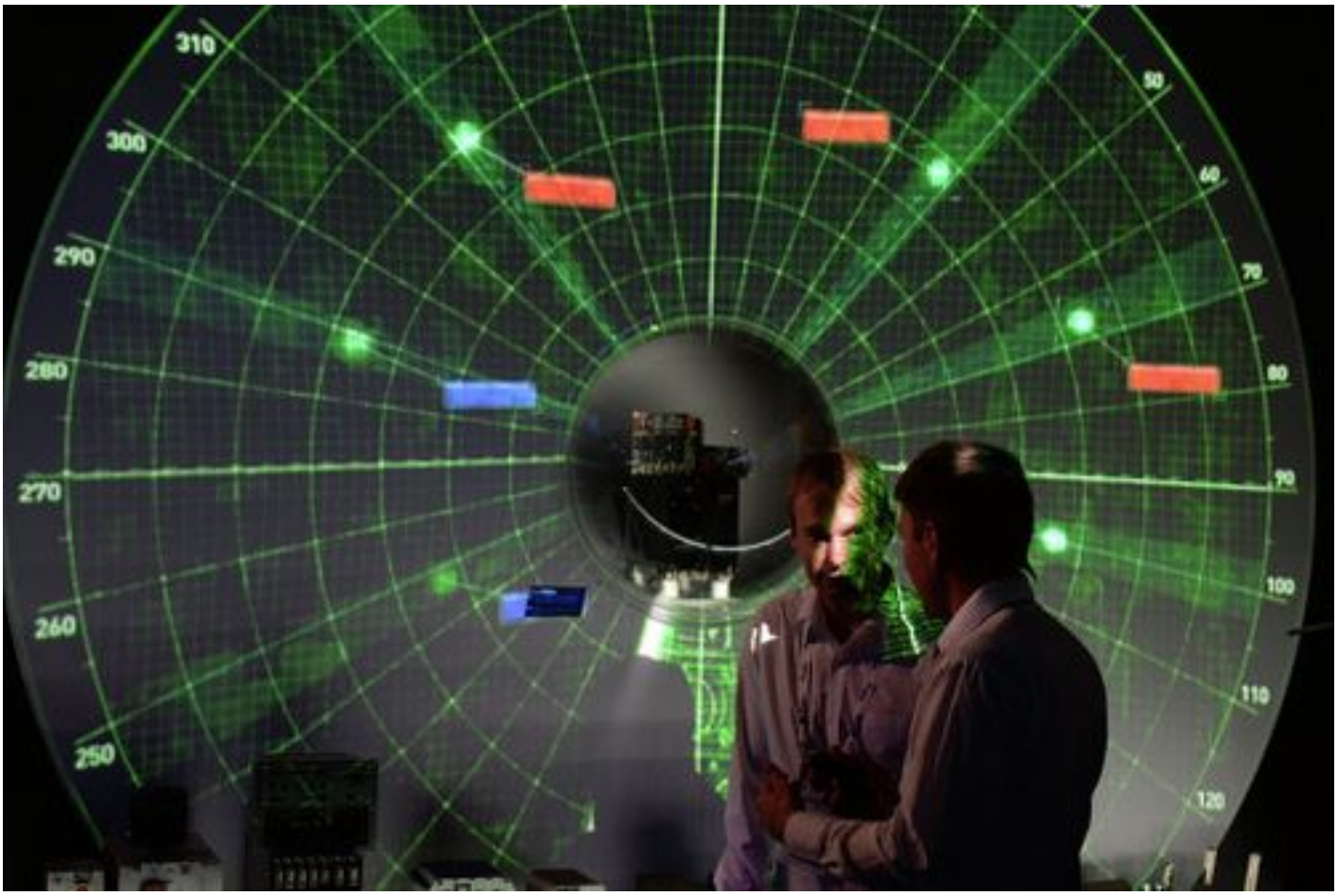
Russia's Foundation for Advanced Research Projects (FPI) has completed the development of the advanced control system of aircraft structures state, which is based on the principles of the nervous system of living organisms and is expected to significantly improve flight safety, head of the project Dmitry Uspensky told Sputnik on Tuesday.

According to Uspensky, the monitoring system of aircraft structures condition was developed by analogy with the nervous system of living organisms, in conformity with which the united network of optical fiber, sensitive to physical impact, will be embedded in the structure of the composite material.

"The capabilities of the built-in system of nondestructive control of aircraft structures, which was developed by the foundation, allow real-time estimations of the current state of the plane as well as predictions about the remaining service life of composite parts of aircraft, which will significantly increase the safety of modern aviation," Uspensky said.

The FPI was established in 2012 to facilitate research and development projects in the field of defense and security. The foundation focuses on three key domains: chemical biology and medicine, physics and technology, information technologies.



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