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System for the On-Site Inspection Airborne Simulator

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The airborne simulator, used to develop and test on-site inspection (OSI) airborne equipment configurations as well as train surrogate inspectors, is being upgraded to provide more realistic training opportunities. The simulator, a converted Mi-2 airframe, now features adjustable window panels and is being supplemented with a projection system that will provide real world views of the terrain. The projection system, once fully implemented, will be comprised of a surface that extends in an arc from the nose of the airframe to the rear most window of the fuselage onto which real world views are projected. The projection and flight parameters will be controlled by the session tutor via a computer. Trainers will also be able to preload flight lines with information including, speed, banking angle during turn etc., and alter flight parameters in real time e.g. speed, pitch, roll and yaw. The project, due for completion in 2023, will provide an enhanced training experience with realistic views of the terrain at flying heights of 100 to 1500 metres above the ground.

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Promotional text

A projection system is being added to the OSI airborne simulator – providing more realistic training opportunities. Take a look at the poster to see how airborne techniques training is being reimagined.

Oral preference format

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