

Newsletter



Aerospace Medicine Research Center

Fisher Brothers Institute for Air & Space Strategic Studies

Founded By the Israel Air Force Association

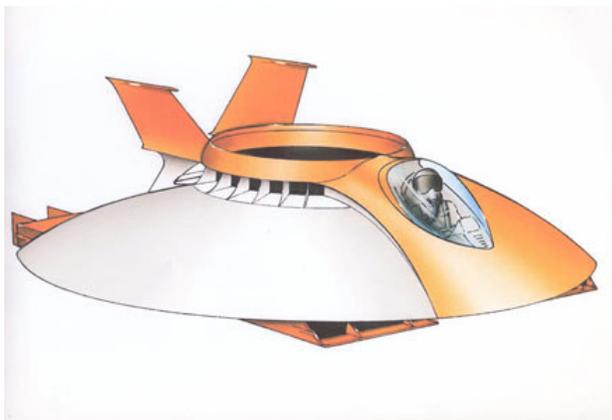
Israel Air Force Center. 15 Jabotinsky, Herzliya. Israel Tel: +972 9 9510260, Fax: +972 9 9510261

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New initial UAV Med Evacuation Concept Project in UK

The initial man-carrying version would be a scout craft with a crew of one to two. It would be capable of dash speeds of 100-150kt (185-277km/h), but also be able to stop in flight to hover above areas of interest.

The cargo version would use a large detachable pod suspended beneath the airframe disc. A lead application could be the deployment of mobile medical facilities, says GFS founder and managing director Geoff Hatton to Flightglobal.com. An adapted configuration could operate as a medical evacuation system: "It would have to be a 30m craft or of that order," he says.

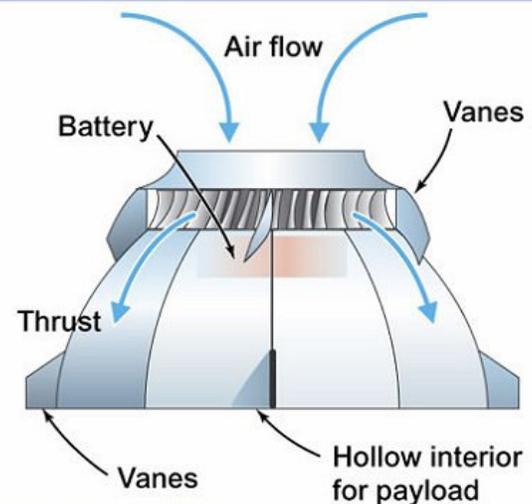


The new-generation craft will incorporate forward thrusters, a leading-edge canopy structure, and a tail.

The Project has demonstrated its Coanda-effect unmanned air vehicle to the UK Ministry of Defense. The 0.91m (3ft)-diameter, 5.45kg (12lb) GFS-6a were demonstrated at an indoor flying area. The battery-powered vertical take-off and landing

vehicles hovered and maneuvered for about 3min, which is their current endurance.

GFS 7 PROJECT



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The rig-mounted demonstrator has achieved stable forward flight against headwinds of 15.6kt (29km/h). Demonstrations carried out for Flight International on 1 May saw the air vehicle achieve forward flight against winds of 12-13kt. Flightglobal.com [On-Line Video Clip](#)

It also has the effect of shifting the downwards airflow over the air vehicle disc from being equal over all surfaces to provide a nullified zone at the front of the craft.

This project is still in his 3rd year Research and development phase, but in the future may be collaborated with the Israeli MedUAV Project.

Editor: [Dr. Eran Schenker](mailto:Dr.Eran.Schenker@fisher.org.il)

For more information please visit our website: www.Fisherinstitute.org.il