

Aero Sekur re-entry module passes milestone CIRA test



*Gas distribution system
for Aero Sekur's re-entry module.*



*Image captured from video of Aero Sekur
re-entry module undergoing a test to simulate
atmospheric re-entry conditions.*

Aero Sekur's SPEM (SPacecrew Emergency Module) has successfully passed a major qualification test to simulate atmospheric re-entry. The achievement for Aero Sekur is a significant milestone in the product's development cycle which opens doors for flight test funding and on-board trials.

The test at the Scirocco Plasma high-enthalpy wind tunnel at CIRA, the Italian Aerospace Research Centre, has confirmed that Aero Sekur's module will withstand the extreme temperatures of around 1,250°C generated during atmospheric re-entry.

Designed for use as an escape mechanism by orbiting astronauts, and for returning samples to earth, the module uses a silicon based ablative heat shield supported by an inflatable structure. The module, which has a scheduled operational date of 2015, has been developed to protect an astronaut or sensitive payload during emergency re-entry phase. At less than half the weight of traditional MMC or ceramic solutions, Aero Sekur's re-entry option will provide considerable savings in mission operation costs.

Commenting, Mark Butler, Aero Sekur's CEO said: "Meeting the exacting standards of the wind tunnel test is testimony to the fact that Aero Sekur's inflatable module is a viable option to traditional tile based solutions and that we can provide a flexible, lightweight and cost-effective re-entry solution."

Aero Sekur's re-entry module is the result of a three year development project by the company's dedicated space business unit.

**Aero Sekur Ltd, Fowler Avenue, The Hub, Farnborough Business Park, Farnborough GU14 7JF,
United Kingdom Tel: 01252 302344 www.aerosekur.com**

For further press information, contact: Mark Butler, CEO Aero Sekur, as per above details or Wendy Walmsley, PressLine Marketing Solutions Ltd Tel: +44 (0) 1275 818802 email: wendy.walmsley@pressline.co.uk