



SPACE DEBRIS MITIGATION THROUGH A NEW DEVICE TO BE INSTALLED ON VEGA C

Avio S.p.A., a leading European rocket manufacturer and launch services provider, and BULL Co., Ltd., a Japanese start-up developing a space debris prevention device, have signed a Memorandum of Understanding (MOU) to study the implementation of an innovative space debris prevention device onboard the Vega C launcher

Colleferro (Rome), January 15th 2025 – Avio S.p.A. and BULL Co., Ltd. have signed a MOU to begin a joint feasibility study finalized at the installation of BULL's PMD (Post Mission Disposal) device "HORN" on the VESPA double launch structure of the Vega C rocket allowing to accelerate the re-entry of the separated structure after the end of launch operations.

Avio has recently signed the ESA Zero Debris Charter and is fully committed to it. All components of Vega-C rocket are systematically de-orbited after launch, including the AVUM+ upper stage which systematically performs a re-entry burn to leave the orbit clean after satellite deployment. The collaboration with BULL shall allow to further enhance the Vega C respect of a clean orbital environment.

Avio is a leading international group engaged in the construction and development of space launchers and solid, liquid and cryogenic propulsion systems. The experience and knowhow built up over more than 50 years puts Avio at the cutting edge of the space launcher sector and defence program. Avio is present in Italy, France, United States and France Guyana with 5 facilities, employing approx. 1,400 highly qualified personnel, of which approx. 30% involved in research and development. Avio is a prime contractor for the Vega programme and a sub-contractor for the Ariane programme, both financed by the European Space Agency (ESA) placing Italy among the limited number of countries capable of producing a complete spacecraft.

For further information

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