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## **ARIANE 5 SUCCESSFULLY LAUNCHED THE JUICE PROBE FOR THE STUDY OF JUPITER AND ITS MOONS**

**Colleferro, 14 April 2023** – The Ariane 5 rocket has successfully launched the JUICE probe of the European Space Agency from the Guiana Space Centre in French Guiana. JUICE’s mission is to study the planet Jupiter along with its three large ocean-bearing moons – Ganymede, Callisto and Europa – with a suite of remote sensing, geophysical and in situ instruments. The spacecraft will reach Jupiter in 2031.

Avio contributed to the success of Ariane 5 flight VA 260 through the two solid rocket boosters P230, which provide 90% of the rocket thrust at liftoff as well as the Vulcain 2 oxygen turbopumps. The turbopump is the first one entirely produced with its new supply chain and integrated in its Colleferro premise. Avio is part of the Ariane 5 program since the beginning and the P230 motors performed well in all the flights. The company is also providing the P120C solid rocket boosters for the new Ariane 6 launcher.

**Giulio Ranzo, CEO of Avio** commented: “We are proud to have contributed to this important European scientific mission and to the whole Ariane 5 program. With Vega C and Ariane 6 Europe will continue to have an independent access to deep space in the near future”.

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**Avio** is a leading international group engaged in the construction and development of space launchers and solid and liquid propulsion systems for space travel. The experience and knowhow built up over more than 50 years puts Avio at the cutting edge of the space launcher sector, solid, liquid and cryogenic propulsion and tactical propulsion. Avio operates in Italy, France and France Guyana with 5 facilities, employing approx. 1,200 highly qualified personnel, of which approx. 30% involved in research and development. Avio is a prime contractor for the Vega and Vega C programmes, 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**

#### **Media Relations contacts:**

[francesco.delorenzo@avio.com](mailto:francesco.delorenzo@avio.com);

#### **Investor Relations contacts:**

[Alessandro.agosti@avio.com](mailto:Alessandro.agosti@avio.com);

[Matteo.picconeri@avio.com](mailto:Matteo.picconeri@avio.com)