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LUCA PARMITANO AT SPACE 4 SUSTAINABILITY CONFERENCE AT EXPO DUBAI: IT IS UP TO US TO CREATE SUSTAINABLE TECHNOLOGY

At the event, organized by Avio at Italy Pavilion at Expo Dubai, Space economy, Technology and Sustainability in space and from space topics have been covered.

Dubai (United Arab Emirates), 18 October 2021 – Sustainability in space and from space: this has been the main topic of the event Space 4 Sustainability, organized by Avio at Italy Pavilion at Expo Dubai, with special guest astronaut Luca Parmitano.

The General Commissioner for Italy at Expo 2020 Paolo Glisenti, Avio CEO Giulio Ranzo, UNOOSA Director Simonetta di Pippo, the President of the Italian Space Agency Giorgio Saccoccia, CEOs of important companies operating in the space sector such as Dallara, Thales Alenia Space Italy, Telespazio, Argotec e Tolo Green and Politecnico di Milano and University of Pavia spoke at the conference.

During the event, Giulio Ranzo and Simonetta di Pippo announced the two finalist proposals for a launch on the Vega C rocket of payloads coming from research centers and universities especially from developing countries under UNOOSA program “Access to Space for All”, in which Avio participates. The finalist are a University of Nairobi project and one of University of Malaysia.

Luca Parmitano has said: “Technology has many faces; it is up to us to create sustainable technology, knowing first where we are to understand what are the technological elements that are not sustainable today. Space technology aims at renewability and reuse. Subsequently, bringing space technologies on the Earth and use them with the same kind of applications. In fact, the International Space Station motto is Off the Earth for the Earth”.

During his speeches, **Giulio Ranzo** has said: “There is a demand growth for space activities, so the launch costs should be even lower. Avio is working on two new rockets, Vega C and Vega E, that will have a lower cost per kilogram than the previous generations. Vega E will be equipped with a new upper stage, which will burn liquid methane and liquid oxygen. A cleaner engine that will lower the costs.

Italy has a complete space capability, which includes companies that build launchers, satellites and components with the contribution of research centers and universities. Our country had the idea to be the first to do something that others have not done, that is the capability to launch a space vehicle, which will stay in orbit for months doing multiple tasks and then coming back to Earth to be reused. It is the Space Rider, a European project in which Avio participates along with other important Italian companies such as Thales Alenia Space Italy and Leonardo”.

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About Avio

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. 900 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.