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EOS deployer first space flight will be on the maiden flight of Ariane 6

MECANO ID is proud to announce EOS first flight, its small satellites separation system, which will confirm its flight qualification.

Delivered in EOS B8 1.0 version, the deployer with an 8 inches diameter will have to maintain then release SpaceCase SX-01 from ArianeGroup, an atmospheric entry demonstrator. This 40 kg capsule aims to prepare a commercial service that will allow in-flight test for technologies (ex: materials, equipment, sensors), and specifically new thermal ablative protections during this new European launcher opening flight.

“This first flight is the result of hard work and dedication from MECANO ID technical teams, which, with the CNES, developed an ambitious product. It is time to thank them for their daily commitment.” claims Didier ZELY, deployer product line manager from MECANO ID.

EOS separation system is the result of an internal development supported by CNES expertise and French Government through “Investissement d’Avenir” (Investments for the Future) programme; regulated by the French Secrétariat Général Pour l’investissement (SGPI). Chosen in 2020 for its innovative characteristics, this patented product, put to use MECANO ID capability for developing complex system by relying on its historical skills such as architecture, mechanical and thermal sizing, assembly and integration, and environmental testing.

EOS has not only achieved its goals assets like reliability, simplicity and sturdiness, but the product has been the subject of an extensive industrialization process allowing its serial production with regard to spatial quality standards. This industrial approach allows the product to offer competitive delivery times and recurrent costs.

Finally, EOS deployer is delivered with a set of options such as simulation models, separation plugs and related services of engineering and environmental testing.

Compatible with most launchers, EOS B8 separation system is the first of the MECANO ID deployers family providing several sizes and capacities.

« EOS is, to date on the international market, one of the only separation systems fully independent from launch services, satellite developers, or launchers. This approach allows to our customers who haven’t yet chosen a launcher, a wide range of possible settings. Our historical background in mechanical and thermal sizing allows providing, within a few hours, a viewpoint on payload margins for our customers.” says Stéphane GALINIER, MECANO ID Business Development Manager.

More information about ARIANE 6 payloads:

https://www.esa.int/Enabling_Support/Space_Transportation/Ariane/ESA_selects_payloads_for_Ariane_6_first_flight

**About MECANO ID**

MECANO ID is a French company based in Toulouse, with 85 people, 27 years experienced, mainly dedicated to spacecraft structures engineering, manufacturing, and testing. Their experience in space subsystems development is strong as they have directly provided the European Spacecraft constructors AIRBUS DEFENCE & SPACE and THALES ALENIA SPACE for years with the highest level of quality.

About ARIANE GROUP

ArianeGroup develops and supplies innovative and competitive solutions for civil and military space launchers, with expertise in all aspects of state-of-the-art propulsion technologies. ArianeGroup is lead contractor for Europe's Ariane 5 and Ariane 6 launcher families, responsible for both design and the entire production chain, up to and including marketing by its Arianespace subsidiary

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EOS deployer illustrations

