



D-Orbit Announces Launch Contract in Collaboration with Elecnor Deimos for the launch of ALISIO-1 from Instituto de Astrofísica de Canarias (IAC)

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Fino Mornasco, Italy, October 20th, 2022: [D-Orbit](#) announces a contract in collaboration with [Elecnor Deimos](#) for the launch and deployment of **ALISIO-1**, a 6U CubeSat procured by [Instituto de Astrofísica de Canarias \(IAC\)](#). ALISIO-1 will be launched onboard **ION Satellite Carrier**, D-Orbit's flexible and cost-effective satellite platform able to precisely deploy satellites in orbit and facilitate the testing of new technologies in space.

The satellite's payload, fully developed by IAC, is an upgraded version of DRAGO (Demonstrator for Remote Analysis of Ground Observations), **a short-wave infrared (SWIR) space camera able to acquire images** in the range between 1 micron and 1.7 microns. An earlier version of DRAGO was integrated as a third-party payload on D-Orbit's orbital transportation vehicle ION Satellite Carrier SCV002, and successfully tested in orbit in March 2021.

"We are very glad that Instituto de Astrofísica de Canarias chose to work with us once more, this time as a launch partner," said **Renato Panesi, D-Orbit's Co-founder and Chief Commercial Officer**. *"This kind of affordable high performance space missions would have been unconceivable just a few years ago. We are proud to partner with them and Elecnor Deimos Space and launch the first Canary Island satellite."*

The new version of the payload, named DRAGO-2, will reduce the ground sampling distance (GSD), which is a metric for photogrammetry and measurements in drone mapping and surveying projects, down to about 50 m. **ALISIO-1** is IAC's first satellite. Its **mission consists in taking medium-high resolution SWIR images for environmental studies on desertification, oil spills and wildfires impact**. The target orbit for this mission is a 500 to 700 km sun-synchronous LEO orbit.

'With the launch and deployment of IAC's ALISIO-1 we will have a better insight of the requirements needed for the next Earth and astronomy missions, through the application of state-of-the-art technologies,' states **Pablo Morillo, Elecnor Deimos Satellite Systems Director**. *'This collaboration is also another example of the strong and enduring cooperation we are building with D-Orbit in small satellites deployment using Space Tugs, representing a step further in our commercial strategy for future complex constellations.'*

The mission is scheduled to launch in Q3 2023.

About D-Orbit

D-Orbit is a market leader in the space logistics and transportation services industry with a track record of space-proven services, technologies, and successful missions.

Founded in 2011, D-Orbit is the first company addressing the logistics needs of the space market. ION Satellite Carrier, for example, is a space vehicle that can transport satellites in



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orbit and release them individually into distinct orbital slots, reducing the time from launch to operations by up to 85% and the launch costs of an entire satellite constellation by up to 40%. ION can also accommodate multiple third-party payloads like innovative technologies developed by startups, experiments from research entities, and instruments from traditional space companies requiring a test in orbit. The whole, fully redundant ION can be rented for edge computing applications and space cloud services to provide satellite operators with storage capacity and advanced computing capabilities in orbit.

D-Orbit's roadmap includes becoming a relevant player in the in-orbit servicing market, which is forecasted to become one of the largest, growing markets within the space sector.

D-Orbit has offices in Italy, Portugal, the UK, and the US; its commitment to pursuing business models that are profitable, friendly for the environment, and socially beneficial, led D-Orbit S.p.A. to become the first certified B-Corp space company in the world.

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