



D-Orbit SpA announces contract with Hyperion Technologies BV for in-orbit demonstration and validation of small sat propulsion module

Fino Mornasco, May 31, 2018: D-Orbit SpA and Hyperion Technologies have signed a service contract on Thursday May 31, 2018, to perform in-orbit demonstration and validation (IOD-IOV) of Hyperion's PM200 propulsion system.

The propulsion system will be installed inside the first ION CubeSat Carrier, which will be tested in the upcoming Vega's Small Spacecraft Mission Service (SSMS) Proof Of Concept flight (POC flight) in 2019

ION CubeSat Carrier is the first ever free-flying CubeSat deployer. The platform has the ability to transport a batch of up to 16 small satellites to space and deploy each one of them into a precise and independent orbital slot. Additionally, ION CubeSat Carrier can host one or more payloads to perform IOD-IOV missions.

The PM200 is a 1U propulsion module for 3U-12U CubeSats that delivers 230m/s of velocity increment to a 3U CubeSat of 4 kg at a nominal thrust level of 0.5 N. The engine burns nitrous oxide and propene, a safe and nontoxic green propellant.

About D-Orbit

www.deorbitadevices.com

D-Orbit is a service provider for the traditional and new space sectors, with capabilities in satellite manufacturing, launch, deployment, satellite operations, end-of-life strategies and solutions, space propulsion and related critical software. Its products and services cover the entire lifecycle of a space mission, including mission analysis and design, engineering, manufacturing, integration, testing, launch, and end-of-life decommissioning.

Founded in 2011, D-Orbit employs about 40 people. The firm is based in Como, Italy, in Washington DC, United States, and Lisbon, and Portugal.

About Hyperion Technologies

www.hyperiontechnologies.nl

Founded in 2013 and located in Delft, the Netherlands, Hyperion Technologies B.V. is an independent company, designing products primarily for small spacecraft. The company focuses on delivering high performance ADCS and related systems, as well as spin-out products such as miniaturised payloads as well as payload processing platforms.