



## [Press Release]

### **Leading the Way: D-Orbit's Groundbreaking In-Orbit Infrastructure-as-a-Service to Enhance its ION Mission with Addvalue's IDRS™**

**November 19, 2024**

A new collaboration between space logistics and orbital transportation services company D-Orbit and communication specialists Addvalue will see its Inter-satellite Data Relay System (IDRS™) deployed for D-Orbit's ION in-orbit demonstration mission, due to launch in mid-2025.

The mission, part of the D-Orbit Intelligent Networked Node (INN) payload family, will deliver groundbreaking infrastructure-as-a-service capabilities to D-Orbit's Software In-Orbit Demonstration (SW IOD) customers in 2025 and beyond. The INN-based infrastructure includes high-performance computation, sensors, telemetry and advanced communication equipment.

Addvalue's IDRS™ will be used to deliver tasking, software deployment and the download of edge processed data products directly to end users; all on-demand and in near real-time. The mission will launch on our ION spacecraft in 2025 with an expected mission duration of 18 months.

The game-changing IDRS™ makes all this possible using the world's only commercially available 'always-on', on-demand, near real-time connection for any LEO satellite which has four years of immaculate flight heritage. This enables access to 24/7 data connection and transfer services with LEO and VLEO satellites across all orbital inclinations and removes the need for restrictive earth station scheduling for managing or tasking any LEO spacecraft.



Viasat's highly reliable global L-band geostationary satellites and advanced ground infrastructure provide connectivity for IDRS™, delivering a persistent, reliable, and secure end-to-end IP connectivity in near real-time.

The mission will use D-Orbit's ION Satellite Carrier: a space vehicle that has demonstrated its versatility through 14 successful missions that performed multiple satellite deployment, hosted payload operations, and in-orbit demonstrations.

**D-Orbit's Head of Business Development – Advanced Services, Viney Jean-Francois Dhiri**, commented, "It's in the name, we envisaged an enhanced experience for our customers creating value by removing barriers in connectivity, Addvalue IDRS will help us deliver that experience". **Thomas Dell, D-Orbit's Head of Technology - Space Cloud Services**, added, "We are very excited to integrate Addvalue IDRS into our D-Orbit Intelligent Networked Node (INN) mission, enabling real-time tasking, seamless software deployment, and direct delivery of edge-processed data to end users, pioneering the future of in-orbit infrastructure-as-a-service for our SW IOD customers in 2025 and beyond".

**Tan Khai Pang, Chief Executive Officer of Addvalue**, commented, "At Addvalue, we are thrilled to partner with D-Orbit to bring about the revolutionary D-Orbit's cloud-based technology that provides speedy transfer of actionable information from space without the need of ground processing. This collaboration marks a significant milestone not only in enhancing the operational efficiency of LEO satellites, but also in advancing LEO-based applications that demand fast situational responses. We are excited to see the transformative impact made by the IDRS™ technology will have on the space industry and our customers."

**Todd McDonell, President, Viasat International Government**, said: "Viasat is delighted to deliver the communications link enabling on-demand connectivity for the demonstration. We are seeing demand for space-to-space capabilities like IDRS™ rise as governments and agencies push the boundaries for multi-orbit, multi-band solutions. But they need to be assured those solutions are underpinned by reliable, secure, and resilient networks. That is where we come in."



For more information about Addvalue IDRS™, please contact:

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#### ■ 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. With offices in Italy, Portugal, the UK, and a new US team which will focus on bus design and manufacturing, D-Orbit is the first certified B-Corp space company in the world, pursuing business models that are profitable, friendly for the environment, and socially beneficial.

#### ■ About Addvalue Innovation

Addvalue Innovation Pte Ltd, a wholly-owned subsidiary of SGX Mainboard-listed Addvalue Technologies Ltd (A31), is a leading satellite-based communication solutions company. Addvalue provides state-of-the-art communication terminals for use in space, in the air, at sea and on the ground. The company also offers extensive engineering and integration services. Addvalue's expertise extends far beyond where the world's terrestrial networks end. Whatever the market or application, the company's wide range of satellite-based products and services can offer the right technology to drive enhanced connectivity.

Learn more at [www.addvaluetech.com](http://www.addvaluetech.com)

#### ■ About Viasat

Viasat is a global communications company that believes everyone and everything in the world can be connected. With offices in 24 countries around the world, our mission shapes how consumers, businesses, governments and militaries around the world communicate and connect. Viasat is developing the ultimate global communications network to power high-quality, reliable, secure, affordable, fast connections to positively impact people's lives anywhere they are—on the ground, in the air or at sea, while building a sustainable future in space. In May 2023, Viasat completed its acquisition of Inmarsat, combining the teams, technologies and resources of the two companies to create a new global communications partner. Learn more at [www.viasat.com](http://www.viasat.com), the [Viasat News Room](#) or follow us on [Facebook](#), [Instagram](#), [LinkedIn](#), [X](#) or [YouTube](#).