

D-Orbit and TelePIX Announce Contracts for the in-orbit testing of Tetraplex

The On-Board Processor will be tested onboard ION Satellite Carrier during a mission in June 2024.

Fino Mornasco, Italy, December 13th, 2023: [D-Orbit](#), a pioneering space logistic company, announces the signing of two launch service contracts with [TelePIX](#), a leading South Korean space startup.

Under the terms of the contracts, **TelePIX will leverage D-Orbit's expertise to launch and test its On-Board Processor (OBP), Tetraplex, in orbit.** Tetraplex, designed for enhanced on-board processing capabilities, will undergo in-orbit demonstration, validating its performance and reliability in the space environment.

Matteo Lorenzoni, Head of Sales at D-Orbit, expressed enthusiasm for the collaboration, stating, *"We are excited to support TelePIX in their mission to advance on-board processing capabilities. This collaboration not only highlights the strengths of both companies but also reflects our shared vision for the future of space exploration."*

The comprehensive launch service contracts encompass technical guidance for launch requirements, transportation, and integration of Tetraplex into D-Orbit's ION Satellite Carrier for both missions. D-Orbit will oversee the launch of Tetraplex into the target orbit, coupled with in-orbit demonstration services.

Tetraplex's edge computing capabilities aim at reducing data latency in satellite operations. Traditionally, all collected data is transmitted to the ground for processing, a time-consuming process. **Tetraplex's capabilities will minimize data transmission, markedly improving latency and contributing to more efficient satellite operations.**

These missions might be the first step of a long-term collaboration between TelePIX and D-Orbit, as both companies are already engaged in discussions for an additional launch service contract.

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 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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