

FUTURE SPACE TRANSPORTATION FLPP AUTUMN SESSION 2025



INSPOC-3

OHB DIGITAL CONNECT



Location: Germany

Founded: 2020

Employees: 280

Mission: OHB Digital Connect develops and integrates complete ground segments managing satellite fleets with small, agile teams, by high automation and redundancy.

ESA INSPOC-3 ACTIVITY

Project name: In-Space Proof of Concept-3 (InSPoC-3) – On-board and Shared Intelligence – Ideation Activities

Objective: To enable a robust and sustainable in-space transportation ecosystem by advancing on-board autonomy, safety, and reconfigurability, while fostering shared intelligence and coordinated fleet management for future space missions.

			
On-board Autonomy and Reconfigurability	On-board Safety and Longevity	Shared Intelligence for Advanced Cooperation In-Space	Spacecraft Fleet Management

GET IN TOUCH

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TECHNOLOGY AND INNOVATION

What we developed: a step towards redefining how spacecrafts are conceived, built, and operated, embracing AI, modularity, and autonomy for a future in which space systems are not just tools, but intelligent agents capable of adapting to the unknown.

Unique features:

- **Software-Centricity** as a foundation for space autonomy.
- **Trustworthy AI** through formal validation and adaptive architectures.
- **VANGUARD (Validation of Autonomous Navigation and Guidance for Uncrewed Advanced Rendezvous and Docking)** as use case to demonstrate autonomous cooperation.



NEXT STEPS & MARKET READINESS

- **Roadmap:** Turning promising ideas into a validated concept.
- **Opportunities:** Looking for partners for future developments.
- **Target launch:** 2026