InSPoCs applications

RAVEN - MULTI-MISSION PLATFORM TRANSPORT DEMONSTRATION (PHASE B1)

PROJECT RAVEN - fleet of modular, multi-mission vehicles for in-space transportation & logistics:

- Scalable & designed to capture both **public and private markets**
- Stepped Demonstration Approach -> each mission = steppingstone to full capability
- **RAVEN D1M for** Core Technologies: orbital transfers, phasing manoeuvres, proximity operations, controlled deorbiting
- First test platform for **on-board & shared intelligence** (InSPoC-3)

Positions Europe as **leader in emerging in-space economy**

CURRENT CONTRACT: Phase B1 of **RAVEN DEMO I**

- Programme and Mission detailed **roadmap**
- Demonstrator Mission **objectives** and **specifications** detailing
- **Architecture** breakdown and preliminary **design**
- **CONOPS, proximity** operations and **safety**
- Demonstrate feasibility through **simulations** of orbital manoeuvres, GNC, and proximity scenarios
- Technology **DDVP** and **de-risking**

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