



INSPACE
MISSIONS

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InSpace Dedicated

InSpace Dedicated is a 100kg+ small satellite platform offering flexible payload accommodation up to 60kg.

The platform design includes a TByte of data storage and variety of payload data interfaces which can be scaled to accommodate multiple payloads. The mission can be augmented with an on-orbit processing solution along with a GEO ISL to support low latency applications.

Suitable for a range of payloads including:

- *Earth observation*
- *ISR and SSA/SDA*
- *RF sensing and communications*

Value added services could also include on-orbit processing (edge processing) and a full end-to-end service to customers that includes payload operations support, satellite bus operations, payload tasking and download of data via a Customer Data Portal.

- ✓ Customer supplied payloads
- ✓ Off-the-shelf payloads including our InSpace high performance SDR
- ✓ Platform-to-go

Contact us: info@in-space.co.uk

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Specifications based on full-sized platform variant

Mission life	5 years
Orbit altitude range	400km - 600km
Payload mass	Up to 60kg
Peak power to the payload	Up to 200W Higher values assessed on case-by-case basis
Orbit average payload power at constant nadir	90W
Payload pointing accuracy	<0.01 deg
Payload pointing knowledge	~0.005 deg
Payload pointing stability	<1"/s
Payload TT&C interface	CAN or RS422
Payload data interface	GigE, Spacewire, Cameralink, LVDS, CAN, RS422
Software interface	Via standard set of services. Platform interface emulator provided.
Power supply	Regulated 3V3, 5V, 12V Unregulated battery bus 28V Bespoke available
Data storage	Up to 1 TByte
Data downlink bit rate	530 Mbps
Typical system data downlink capacity per day	180 GBytes

In-Space Missions, a wholly owned subsidiary of BAE Systems Ltd, are world class experts who design, build and operate physical and digital space missions for global customers from our site in the UK.