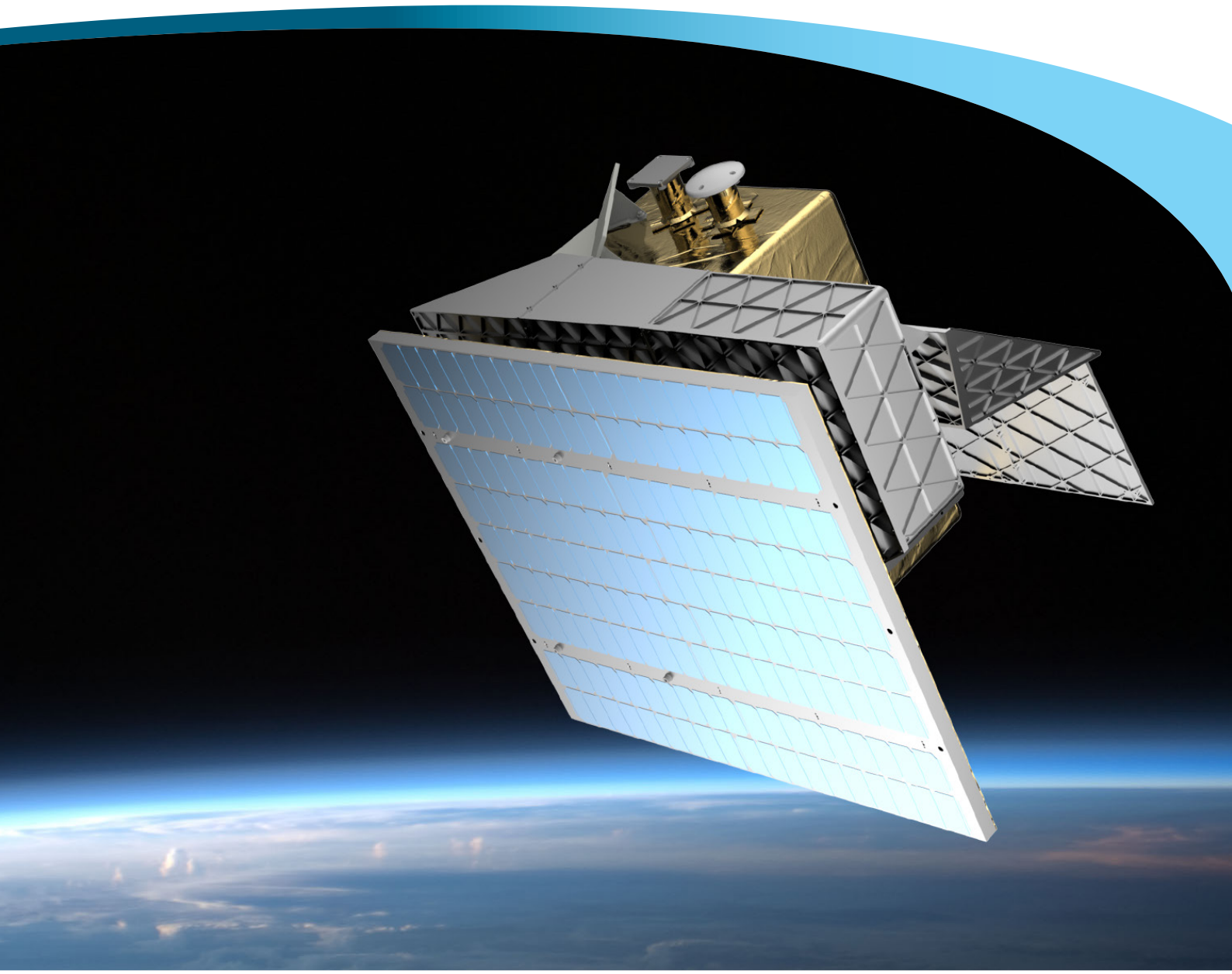
OHB SWEDEN



MICRO SATELLITES

INNOSAT PLATFORM

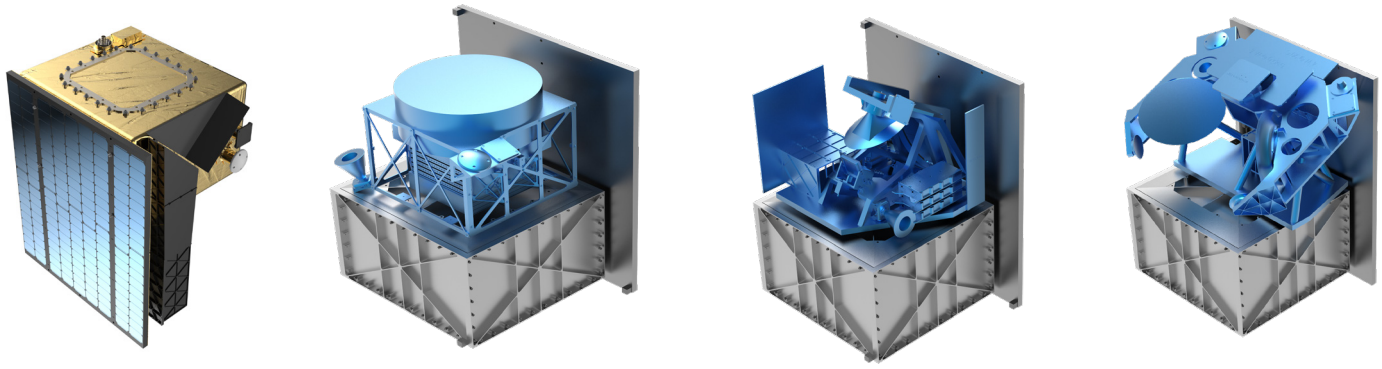
New, highly integrated, capable satellite platform

Developed for earth observation, telecom and scientific research

INNOSAT – MICRO SATELLITE PLATFORM

InnoSat is a new, highly integrated, capable satellite platform intended for a wide range of applications such as earth observation, telecom and scientific research. It is designed to provide high performance in pointing, power and data downlink. The platform is designed to interface with multiple types of payloads and can easily be tailored to the customers' requirements.

- Large unobstructed payload accommodation volume providing maximum operational envelope
- Designed to fit within a piggyback launch envelope maximizing launch opportunities
- 3-axis stabilized platform with star tracker and reaction wheels
- Accurate orbit determination time correlation through on-board GNSS equipment
- Fault Tolerant COTS approach with optimal balance of cost versus reliability
- New generation of radiation tolerant avionics and data handling subsystems
- Fully qualified and flight proven equipment providing a strong basis for a reliable solution
- High power and data downlink capabilities optimized for science missions
- CCSDS Compliant communications for compatibility with ESA ground network
- Can be complemented with the OHB Sweden Ground Control System RAMSES.



InnoSat platform with different example payloads

InnoSat Key Performance Data		
• **Satellite mass**	**<50-60 kg**	
• **Satellite volume**	**700x650x850 mm**	
• **Max payload mass**	**20 to 25 kg**	
• **Payload volume**	**650x530x450 mm**	
• **Power** (06:00 SSO, LEO ref, EOL)		
	Total:	Average 75W, Peak 200W
	Payload:	Average 40W, Peak 65W
• **Design lifetime**	**5 years**	
• **Data**	**6250 kbps max rate (S-band)**	
• **AOCS (3 axis with 3 RW's and 1 ST)**		
	Pointing performance: APE 130 arcsec (2-sigma)	
	Cross boresight: AKE 42 arcsec (2-sigma)	
	Orbit determination: <10 m GPS L1	

The InnoSat platform is developed and marketed by OHB Sweden, who is the overall satellite and mission prime. The platform is ready for the market with the first mission in preparation.

OHB SWEDEN

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