

A large satellite with a gold-colored cylindrical top and a rectangular body is shown in orbit over Earth. The satellite has a solar panel on its left side and several antennas on its top. The Earth's surface is visible below, showing a mix of land and water, with a bright sunset or sunrise over the ocean. Two smaller satellites of the same family are visible in the distance. The background is the blackness of space with stars.

ERM-Sat Family

SPACETEEO



A background image showing the Earth's horizon from space, with a blue sky and white clouds. The top half of the image is a dark, star-filled space. The text 'SPACETEO' is centered in the upper half, with 'SPACETE' in grey and 'O' in blue. Below it is the tagline 'YOUR AFRICAN SPACE ALLY' in white.

SPACETEO

YOUR AFRICAN SPACE ALLY

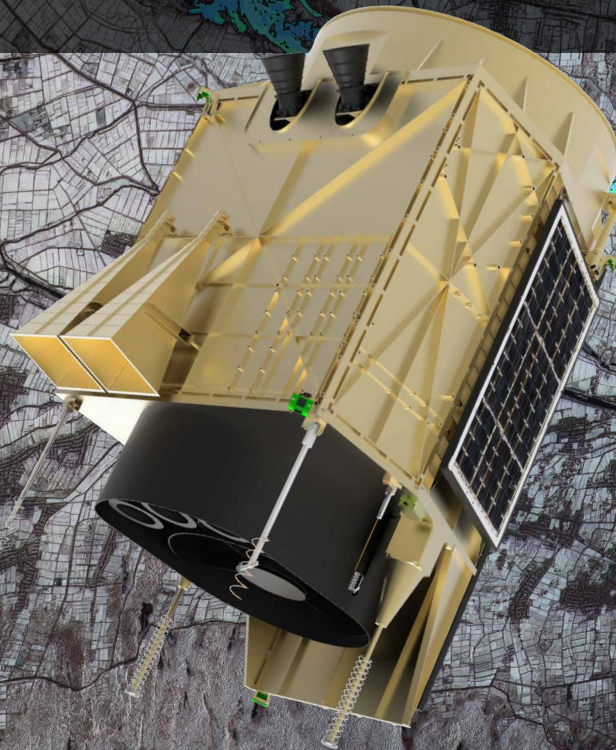
INTRODUCING SPACETEQ'S

ERM-Sat Family

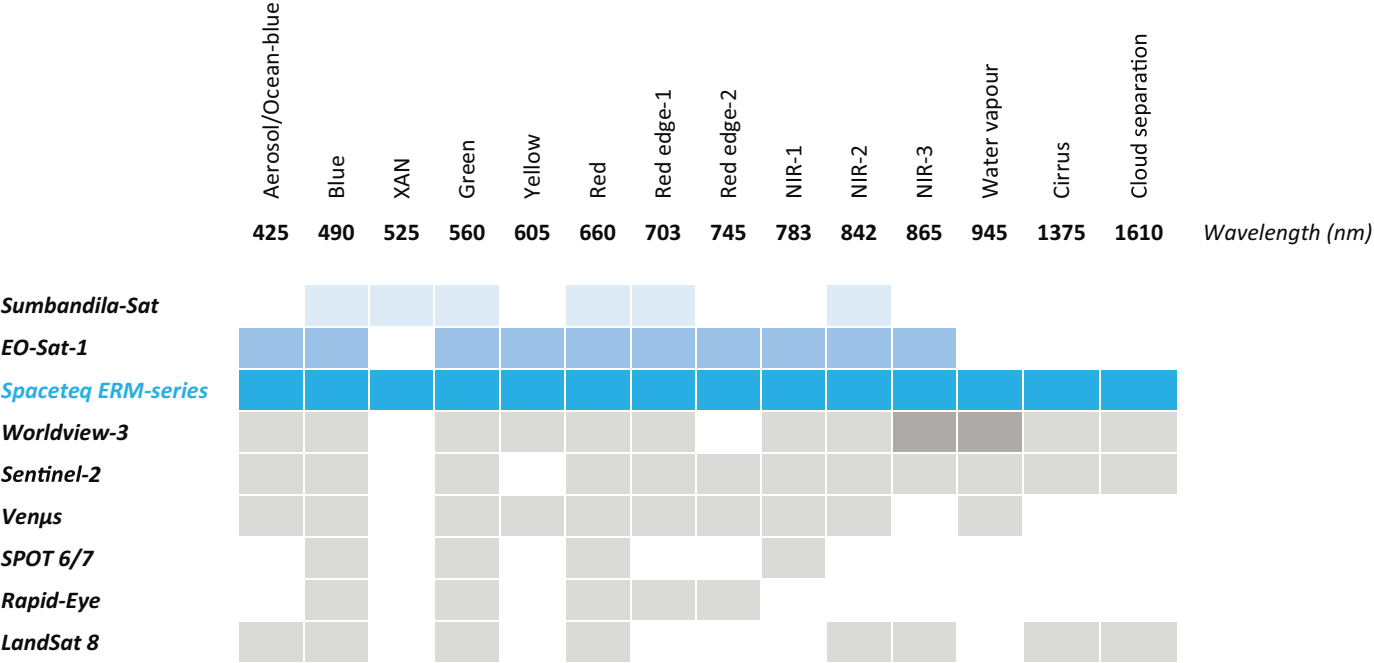
The Enhanced Resources Management Family of Satellites.

- With Super-spectral imaging of up to 14 spectral bands.
- Up to 1.25 m GSD high-resolution imagery & video.
- Swath of up to 300km
- Spectral correction of high level thin clouds

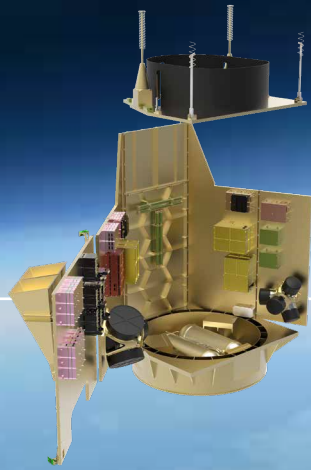
Empowering applications in science, agriculture, resource management & urban planning.



Comparison between ERM-Sat and other earth observation satellites

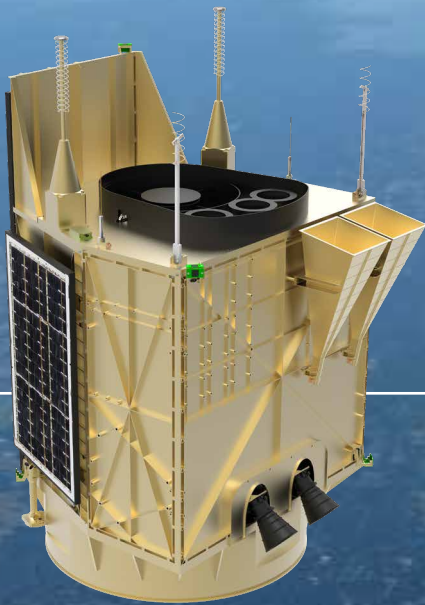


Family Product

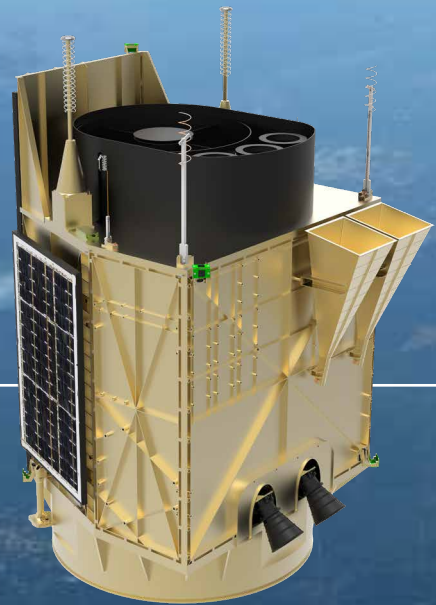


+

or



ERM-Sat 1



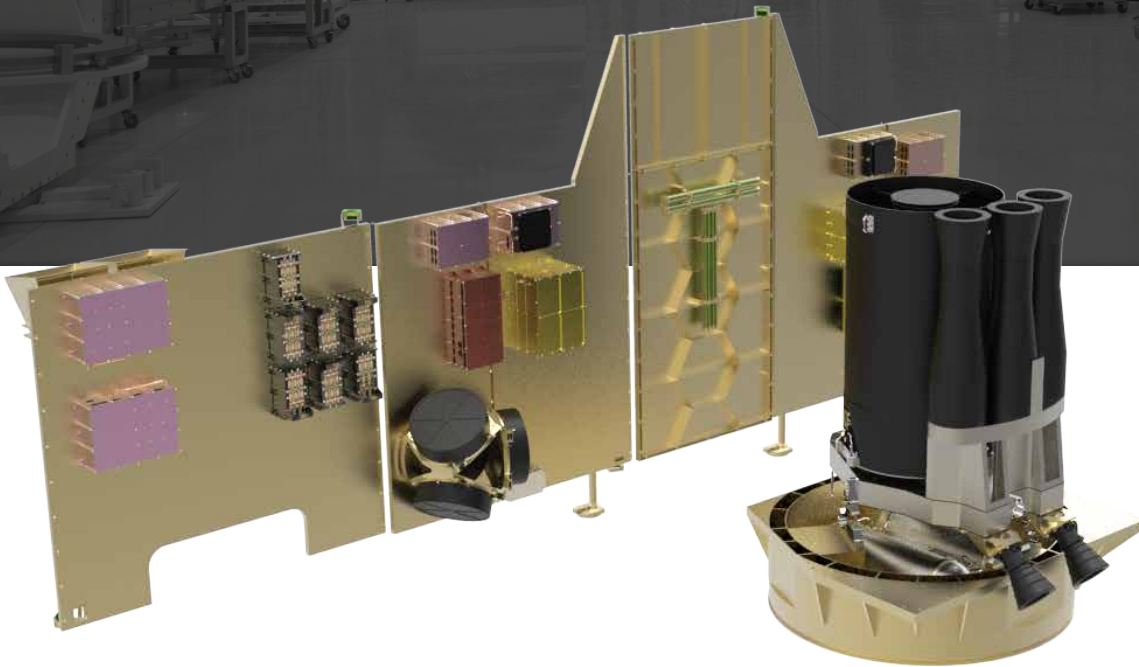
ERM-Sat 2

Product Summary

	Specification	ERM-Sat-1	ERM-Sat-2
Payload	Hi-res imager	1	1
	Narrow angle Hi-res	2 m-GSD (red-edge, yellow) 8 m-GSD (8 bands)	1.25 m-GSD (red-edge, yellow) 5 m-GSD (8 bands)
	Hi-res Swath	24 km	15 km
	Med-res imagers	2	2
	Wide angle Med-res	20 m-GSD (12 bands)	20 m-GSD (12 bands)
	Med-res Swath	300 km	300 km
	SWIR imagers	1	1
	SWIR imager	27.5 m-GSD (2 bands)	27.5 m-GSD (2 bands)
	SWIR imager swath	55 km	55 km
	Spectral bands	14	14
	Video capable (narrow & wide angle)	Yes	Yes
Bus	Development flight heritage	SunSat, Client-1 & SumbandilaSat	SunSat, Client-1 & SumbandilaSat
	Comms	S and X bands	S and X bands
	ADCS and bus electronics	Fully dual redundant	Fully dual redundant
	Propulsion	30 m/s	30 m/s
	De-orbit capability (25 yr)	Natural drag decay	Natural drag decay
Mission & Orbit parameters	Total launch mass	550 kg	600 kg
	Orbit (km)	Sun-synchronous, 560 km	Sun-synchronous, 560 km
	Mission life	7 yrs	7 yrs
	Launcher options	Soyuz, PSLV, Dnepr	Soyuz, PSLV, Dnepr

World-class Testing &

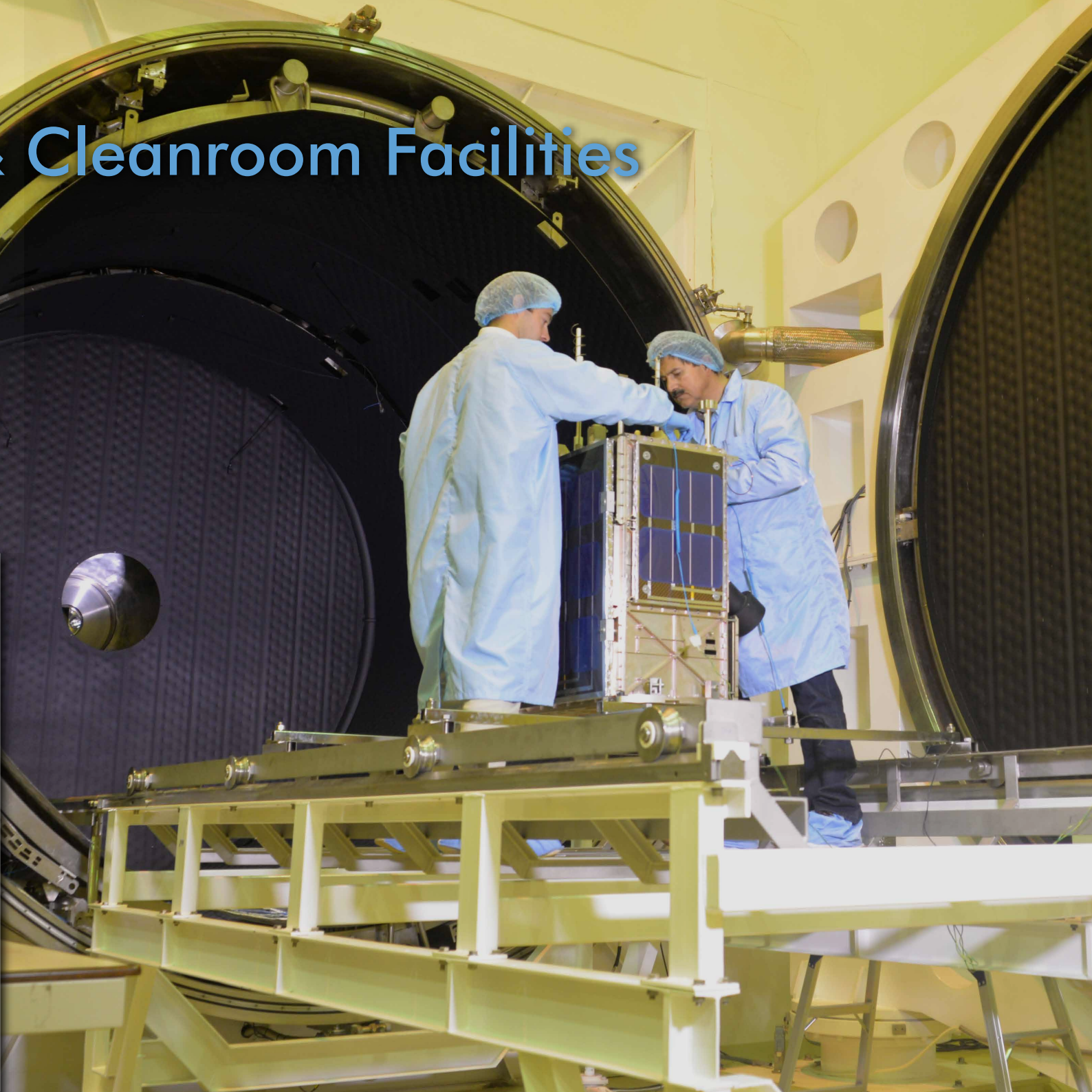
Design, manufacture, testing and integration at our newly-refurbished Houwteq campus



Leveraging space heritage & smart design

Common satellite bus
Wrap-around assembly simplifies satellite integration

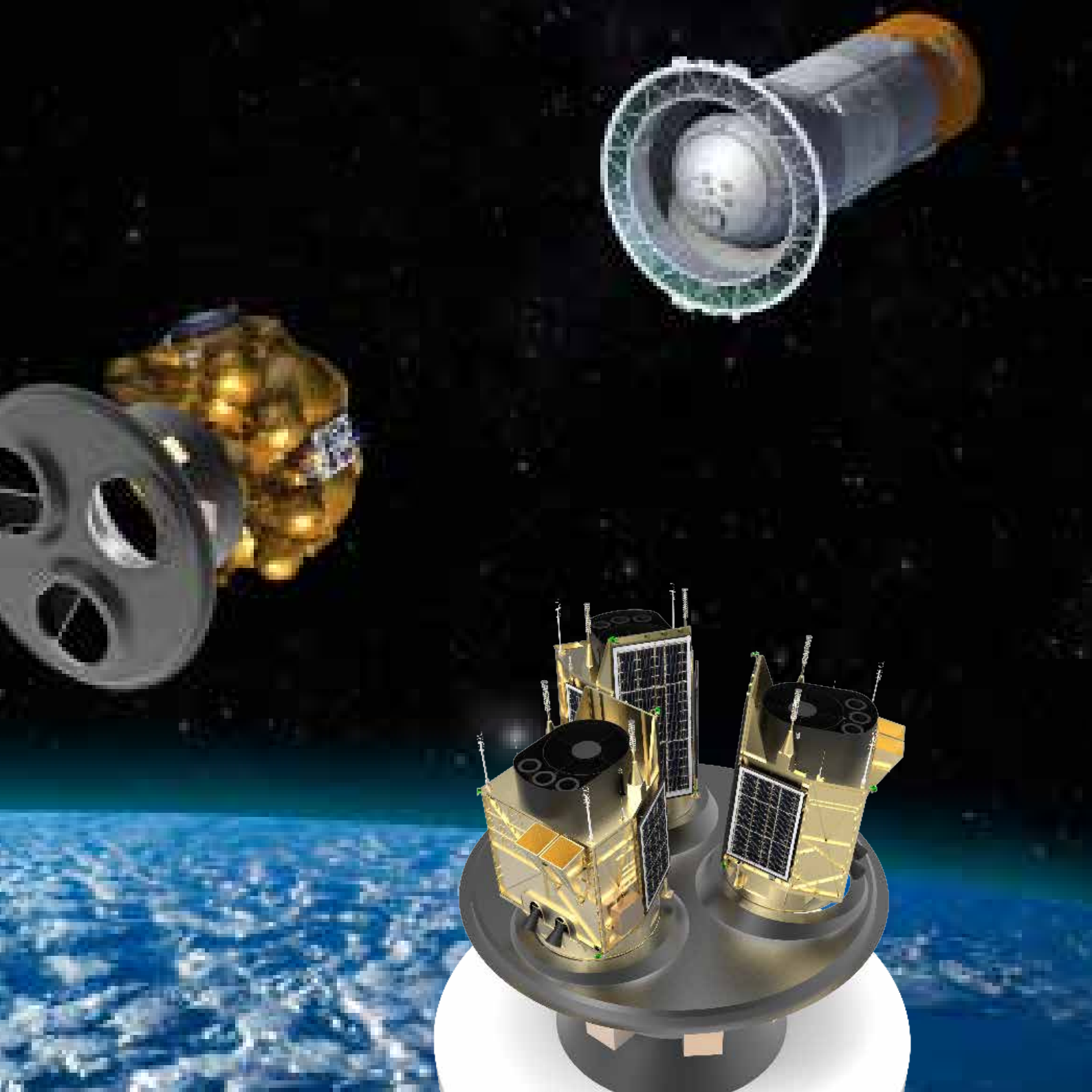
Cleanroom Facilities



Flexible launch solutions available

- Combine multiple payloads in a single launch
- Compatible with Soyuz, Dnepr and PSLV
- Ideal for constellation deployment
- Custom launch adaptor with secondary payload options





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