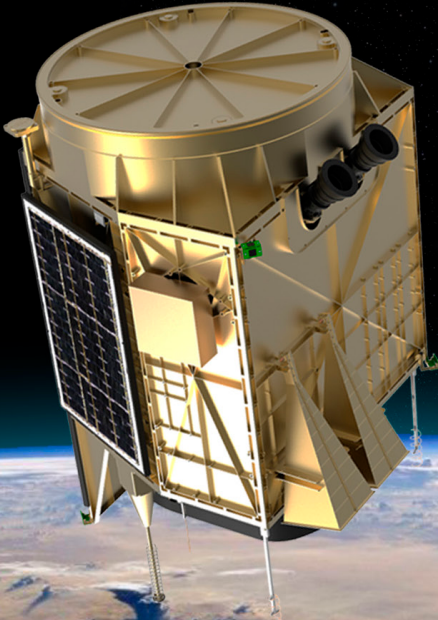


A large satellite with a gold-colored cylindrical body and a solar panel array is shown in orbit above Earth. The satellite has a circular top with a radial pattern and several black cylindrical protrusions. A solar panel with a grid of cells is extended from the side. The background shows the Earth's horizon with a bright sunset or sunrise over a dark, forested landscape. Two smaller versions of the same satellite are visible in the distance to the right.

ERM-Sat Family

DENEL SPACETEQ





DENEL SPACETE@

YOUR AFRICAN SPACE ALLY



An aerial photograph of a landscape, likely a river delta or coastal region, with a prominent red river winding through it. The land is divided into a grid of fields or plots. A semi-transparent dark grey box is overlaid on the top half of the image, containing text.

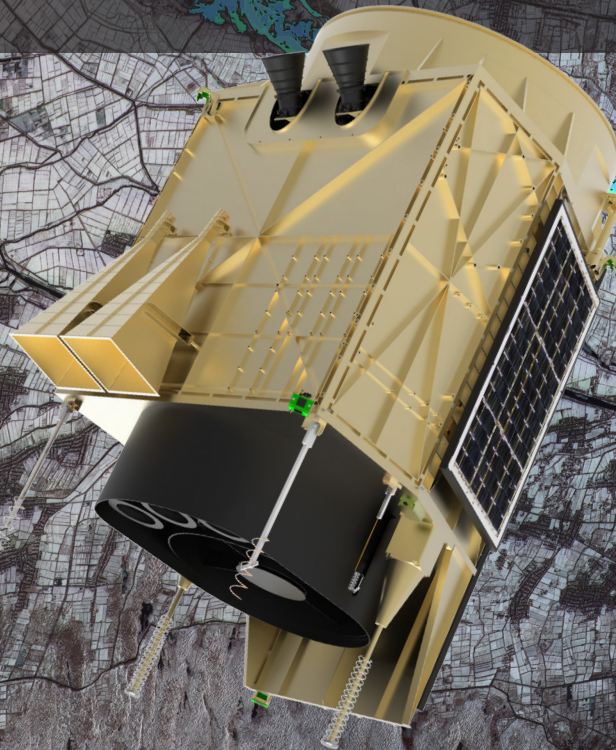
INTRODUCING DENEL SPACETEQ'S

ERM-Sat Family

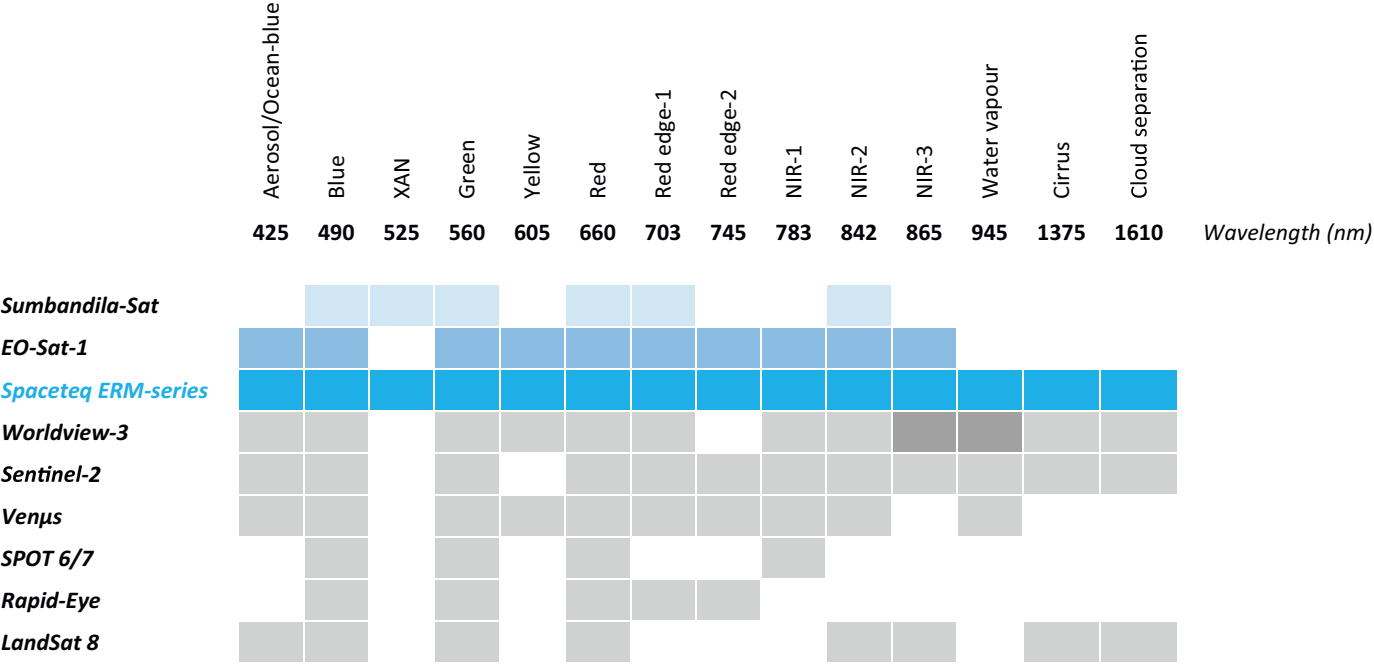
The Enhanced Resources Management Family of Satellites.

- 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

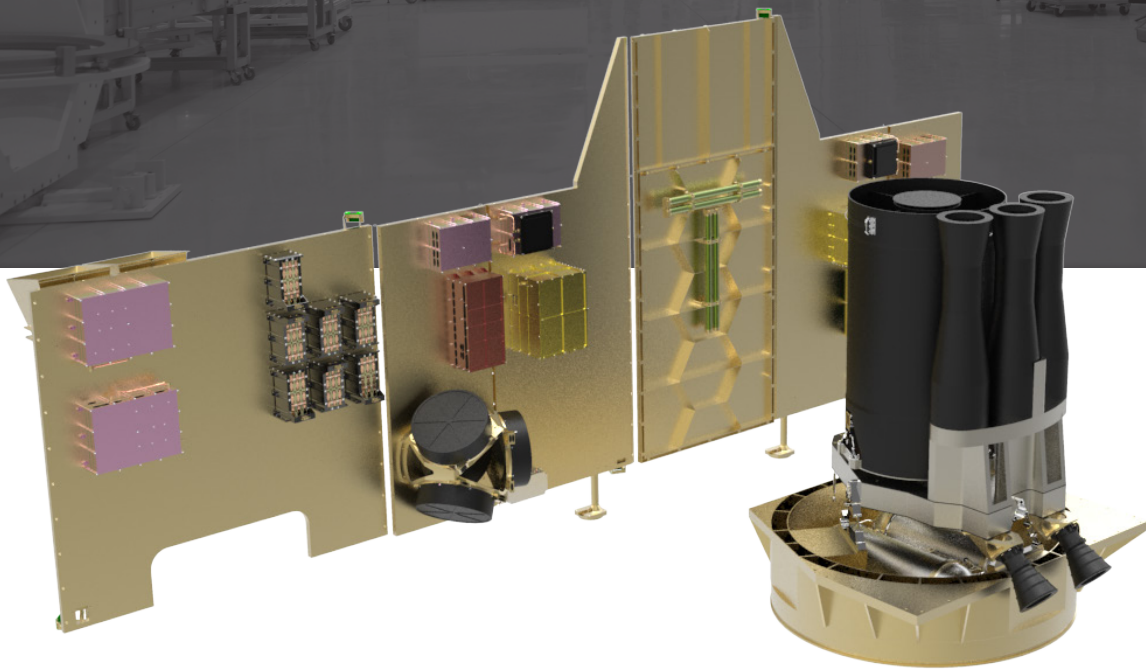


Product Summary

	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

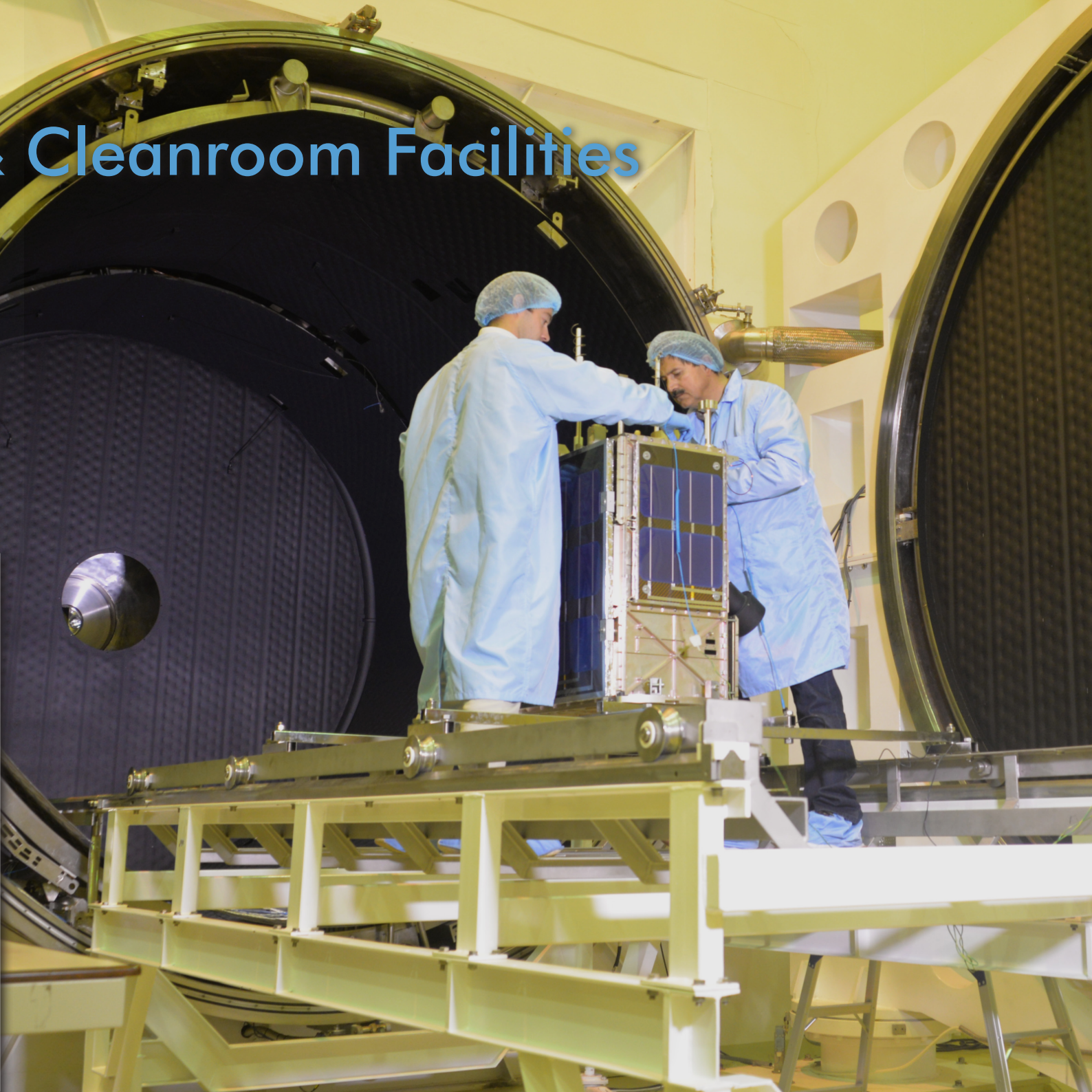


Leveraging space heritage & smart design

Common satellite bus

Wrap-around assembly simplifies satellite integration

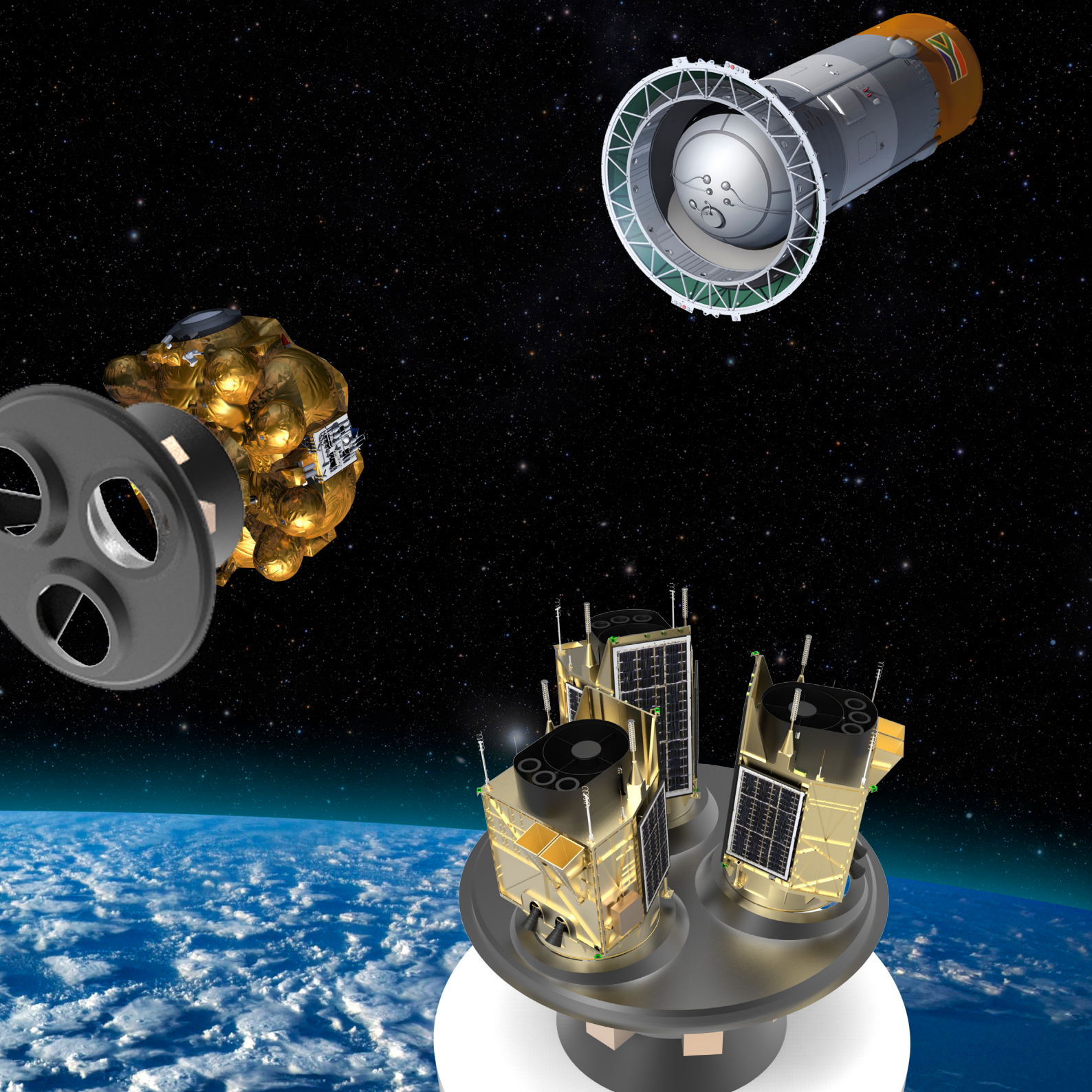
Cleanroom Facilities



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





DENEL SPACETEQ

Houwteq Campus,
High Rising Road, Haasvlakte
Grabouw, Western Cape
South Africa

info@spaceteq.co.za

www.spaceteq.co.za

