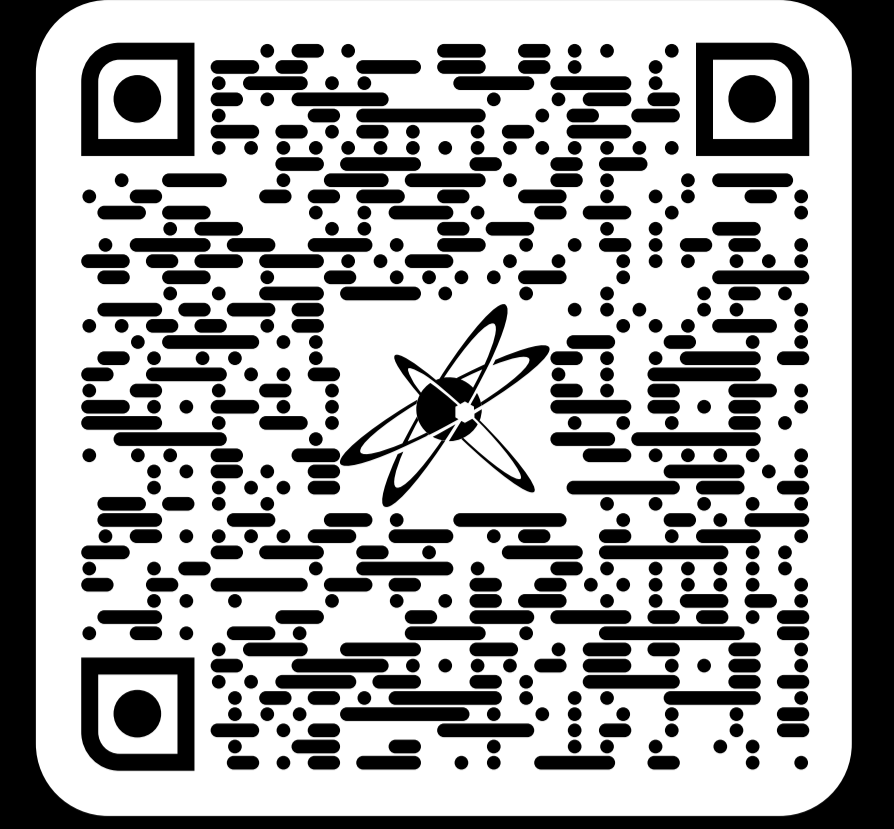


DRAGONFLY
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+27 (21) 206 6556

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DRAGONFLY BUS

High-Performance Imaging Satellite

150 kg

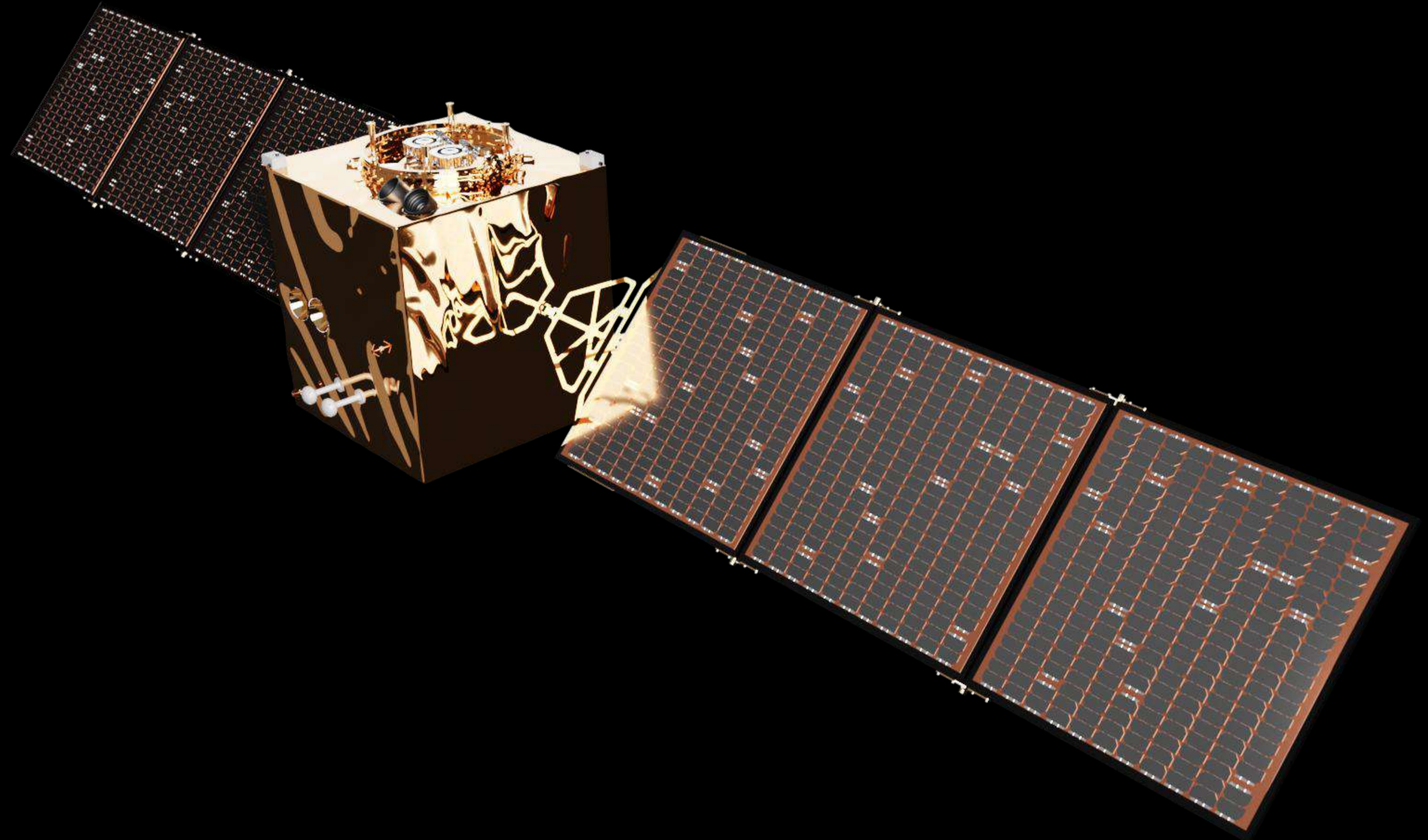
Class

8 years

Lifetime

Up to 2400 Wh

Energy storage



Designed for precise spatial resolution Earth imaging and mapping for a wide range of communication and scientific purposes.

Technical Specifications

Attitude and Orbit Control

Pointing Control Stability	<0.002°/sec (3 -sigma)
Pointing Control Accuracy	<0.02° (3-sigma)
Slew Rate	up to 2.5°/sec
Geolocation Knowledge Accuracy	<65m (3-sigma)
Control Frequency	10 Hz
Fully Automated AOCS	Through target tracking
Xenon Electric Propulsion System	28mN thrust, 1850s Isp

Electrical Power System

Solar Array Peak Power	1500 W
Orbit Average Power (OAP)	800 W
Peak Power	4.2 kW
Bus Voltage	28V (regulated) 48V (ready)

Communications

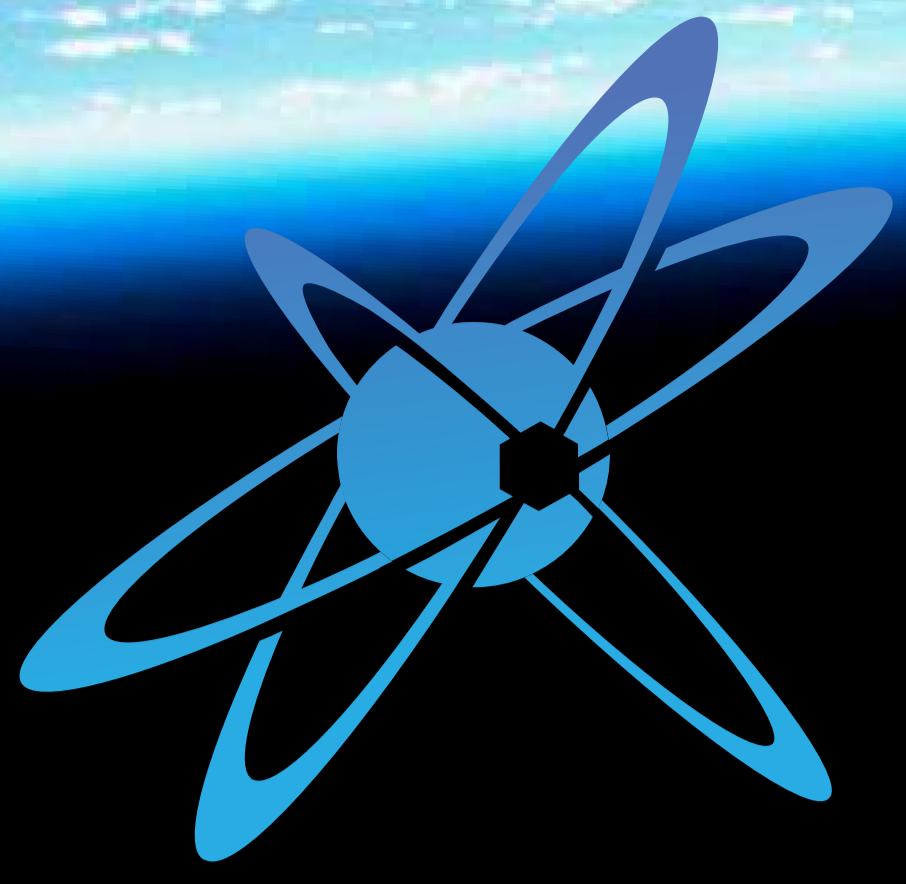
S-Band TMTC	400kbps down, 150kbps up
X-Band Data Downlink	2.5 Gbps

Payload

Available Mass	Up to 250 kg
Available Volume	1000 x 1000 x 1000 mm
Available Peak Power	Up to 4.0 kW

Electrical Interfaces

TMTC	CANbus, RS422/RS485
Data	LVDS / SpaceWire / SerDes
High-Speed Data Recorder (HSDR)	32 GB (EDAC Protected)
Optional HSDR	Up to 8 TB storage (scalable)



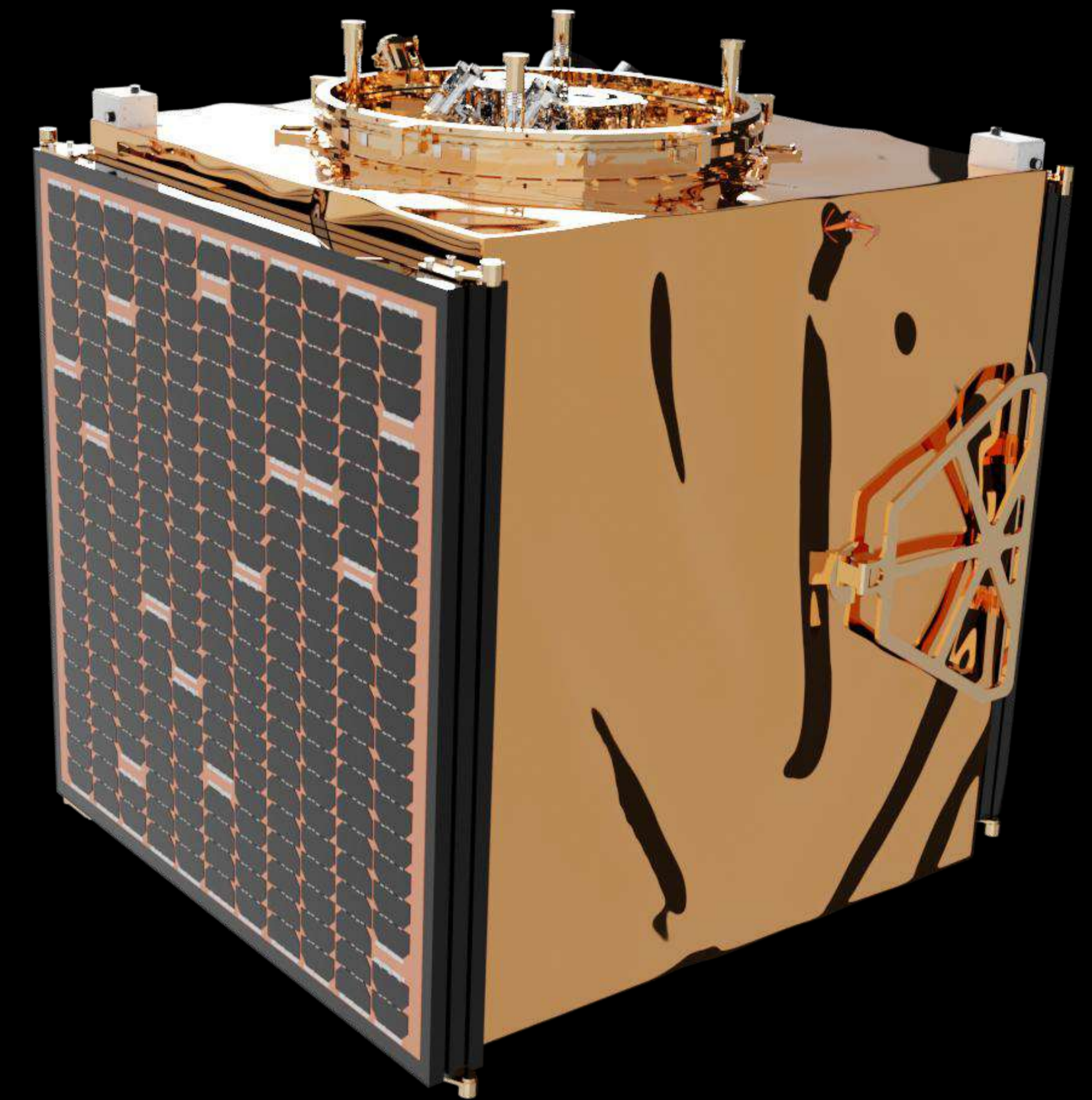
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ABOUT DRAGONFLY AEROSPACE

Dragonfly Aerospace is an industry leader in world-class, high-performance imaging satellites and payloads. Our turnkey solutions for imaging satellites gets these strategic assets operational on orbit with the minimum time, cost and risk. Our imaging solutions enable our customers to create persistent views of the Earth in a wide range of spectrums for unprecedented business intelligence that helps improve the lives of people around the world.