



hemeria



OBSERVATION

SPRINT-L60 Smallsat

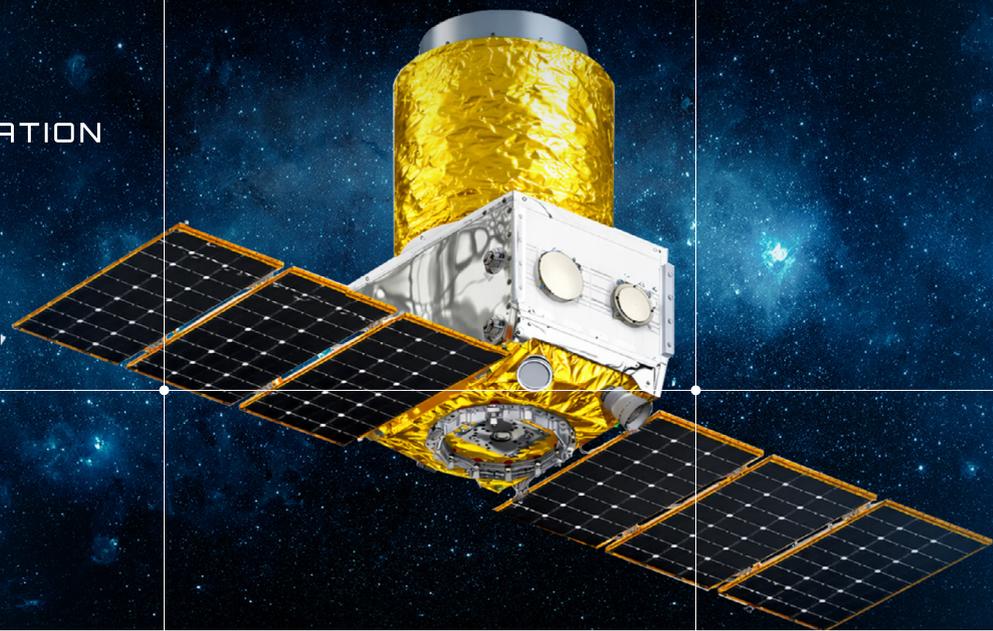
Multi-missions

Alone or constellation

Optimized cost and lead-time

LEO orbit

Access your own optical, hyperspectral or RF Earth observation capacity thanks to HEMERIA's SPRINT-L60 range. These satellites contain all the technologies needed for defense intelligence, scientific research missions, and for commercial applications.



Main characteristics

		Standard bus
Mission lifetime		> 5 years
Platform size		483 × 475 × 316 mm
Platform mass		32 kg
Max. payload mass		23 kg
Max. payload volume		483 × 475 × 440 mm
Payload power (EOL @ 600 km SSO)	10H30	10W (avg.)
	6H00 - 18H00	70W (avg.)
	Peak	200W
Battery energy capacity		210 Wh
SADM		Optional
DVBS 2 X band Tx		260 - 310 Mbps
S-band Tx		> 1 Mbps
S-band Rx		> 32 kbps
Delta-V		> 90 m/s
Thrust		> 350 μN
Position accuracy		5m rms
Motion accuracy		0.1 m/s rms
Time accuracy		0.1 μs rms
Attitude pointing error		0.028° to 3σ
Attitude knowledge error		0.028° to 3σ
AOCS pointing modes		Geocentric / Sun / Target / Inertial Optional : Polynomial / From the payload
Data storage for payload		28 Go (Baseline) + 30 Go (Option)