



hemeria



PROTECTION

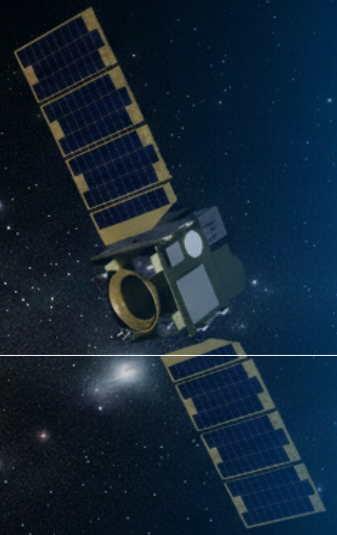
SPARTA-G70 Smallsat

Alone or constellation

Optimized cost and lead-time

GEO orbit

Develop geostationary orbit services using HEMERIA's SPARTA-G70 platform, a system optimized for this orbit.



Approved by: French MOD, French Space Command

Main characteristics

		Standard bus
Mission lifetime		> 3 years
Platform size		460 × 600 × 340 mm
Platform mass		50 kg
Max. payload mass		15-20 kg
Max. payload volume		> 70U
Payload	Mean power	100W
	Peak power	200W
Battery energy capacity		216 Wh
SADM		up to 200W
Uplink rate		10 kbps (S-band)
Downlink rate		10 kbps (S-band) 10 Mbps (X-band)
Delta-V		> 250 m/s
Thrust		4 x 3.2 mN
Position accuracy		10 to 20 m
Motion accuracy		1 mm/s to 2 mm/s
Attitude pointing error		0.04° to 3σ
Attitude knowledge error		0.02° to 3σ
AOCS pointing modes		Geocentric / Sun / Target / Inertial / Polynomial / From the payload
Data storage for payload		28 Go (Baseline) + 32 Go (Option)