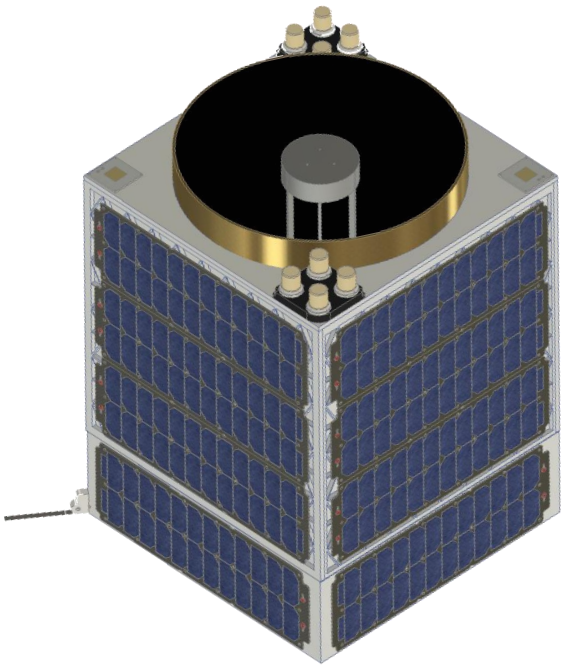
LEOS-100 PLATFORM

LEOS-100 takes small satellites above and beyond. It builds on the proven LEOS-50 avionics but pulls all the stops on performance. There are two versions of LEOS-100: LEOS-100HR with body mounted panels supports large high precision instruments with 50cm GSD earth observation and LEOS-100HP supports Missions up to 2kW power requirement and up to 120kg·m² system moment of inertia.



LEOS-100HR

	LEOS-100HR	LEOS-100HP
System	Volume: 600x600x800mm³ Mass: 120kg with electric propulsion Design Life: 5 year LEO	Volume: 600x600x800mm³ Mass: 150kg with electric propulsion Design Life: 5 year LEO
Payload	600x600x600mm³ 30-50kg (recommended) 60W av. 300W peak	600x600x600mm³ 50-75kg (recommended) 300W av. 2000W peak
Bus	Very Fast Target Pointing (5°/s), S-Band TT&C, 320Mbit/s X-Band downlink, Fully Encrypted (Data & TT&C), Electrical Propulsion	Fast Target Pointing (1.2°/s), S-Band TT&C, 640Mbit/s X-Band downlink, Fully Encrypted (Data & TT&C), Electrical Propulsion