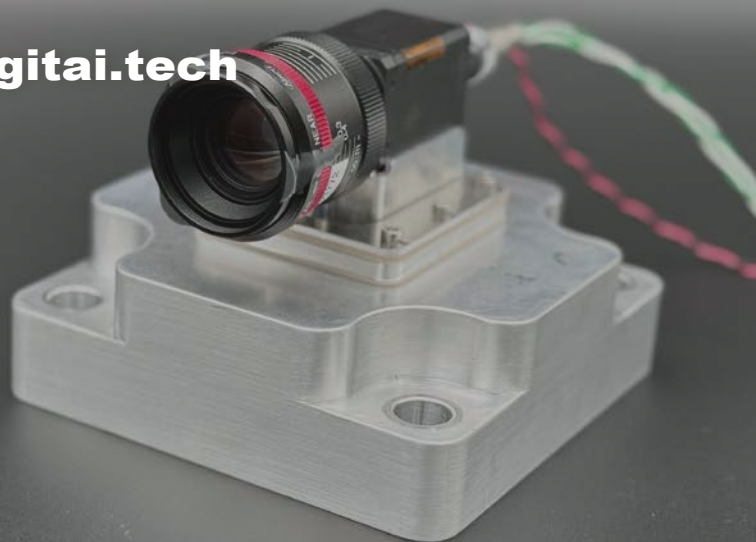
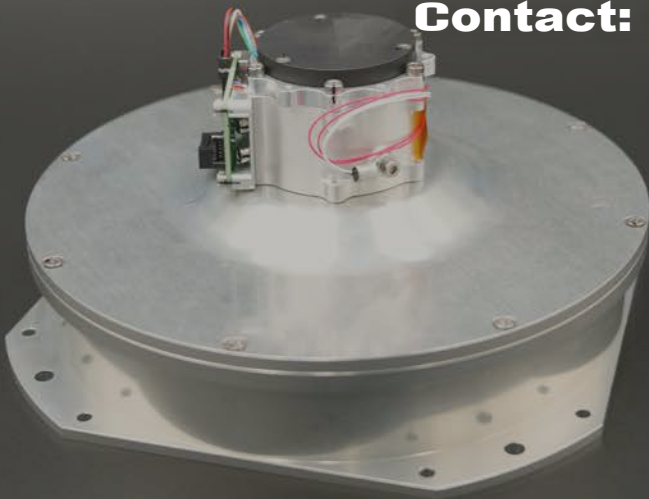


GITAI

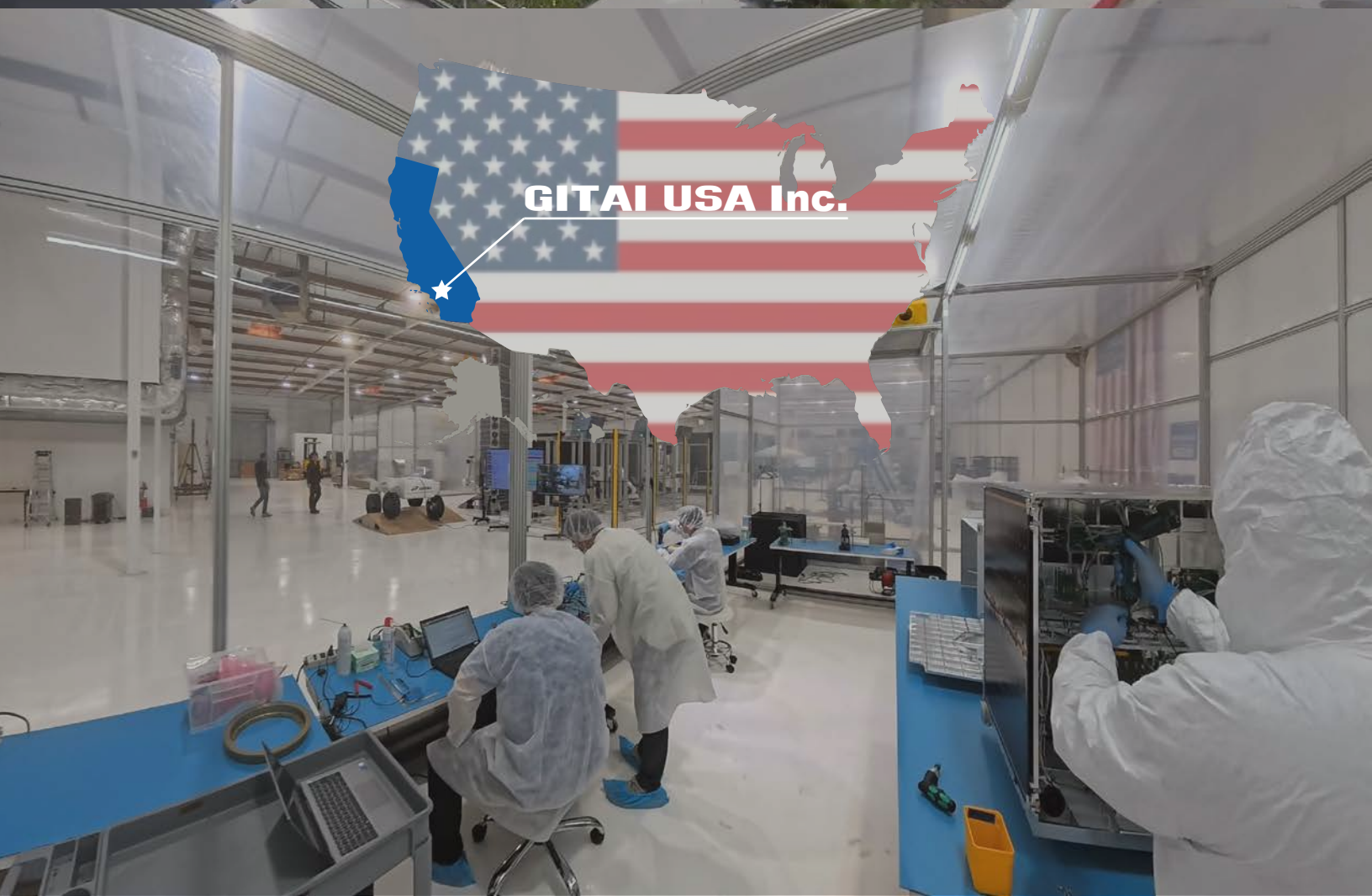
Spacecraft Platforms & Components
For safe and affordable means of labor in space

Contact: info@gitai.tech



An aerial photograph of a large industrial facility with a flat roof covered in HVAC units. A modern glass-walled building is a central feature, surrounded by palm trees. A parking lot with several cars is visible to the right, and a residential neighborhood is in the background.

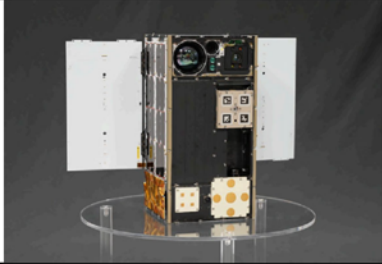

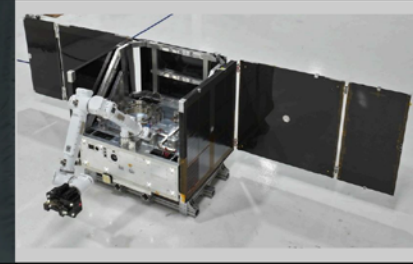
**GITAI builds all spacecraft
in our facilities in California, USA**



Standard Spacecraft Platform

P1

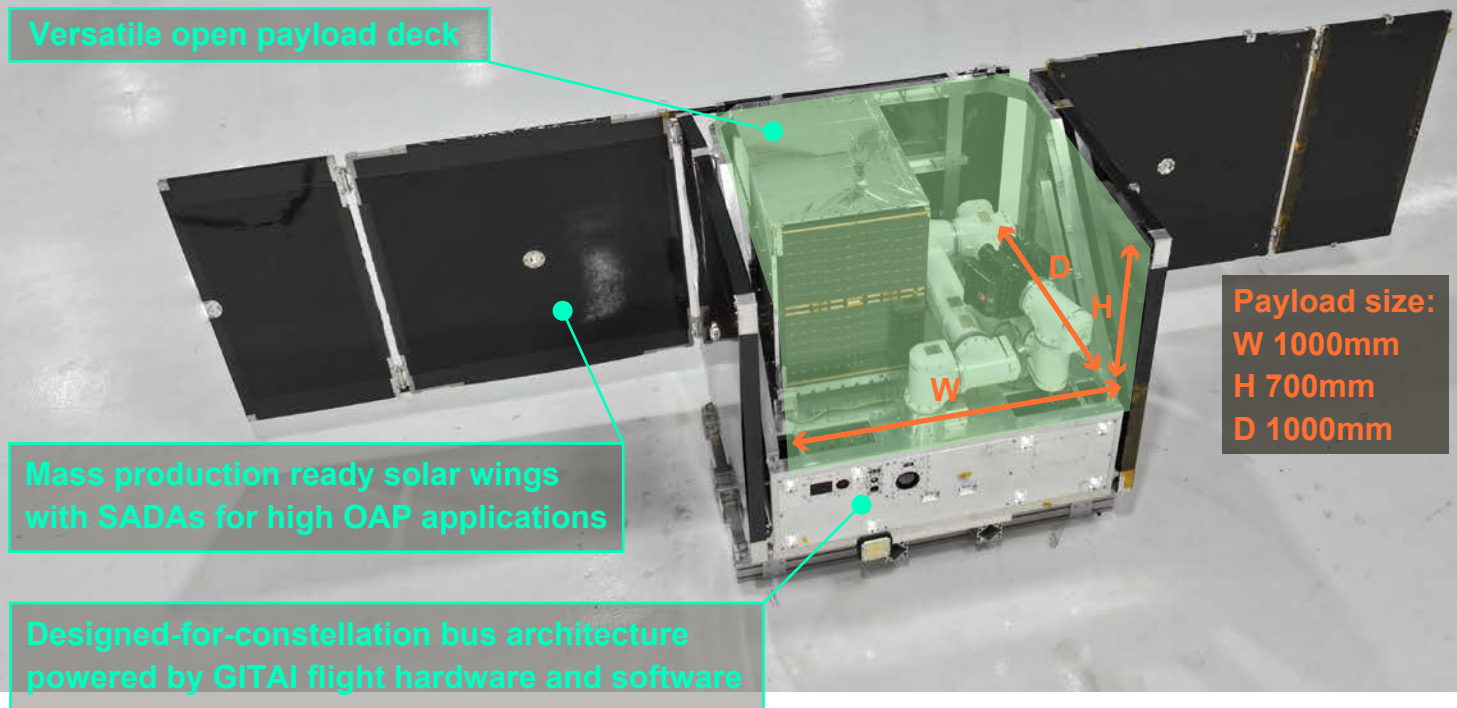
General

			
Name	GSAT-20	GSAT-50	GSAT-200
ROM	1M USD	1.5M USD	3M USD
Lead time	6month	6 month	6 month
Mass w/o payload	20kg	50kg	250kg
Available payload mass	(follow deployment)	(follow deployment)	(follow deployment)
Payload Space	0.2m x 0.2m x 0.2m	0.5m x 0.5m x 0.3m	1.0m x 1.0m x 0.5m
Applications	LEO, 5 years	LEO, 5 years	LEO, 5 years
Pointing Accuracy	30 to 75 arcseconds	30 to 75 arcseconds	30 to 75 arcseconds
CDH Config	Single	Single	Single
Propulsion	Green Bipropellant(N2O, C3H6)	Option	Option

Specification

Power(peak W, voltage)	100 W 28VDC(regulated) 40VDC(unregulated)	150 W 28VDC(regulated) 40VDC(unregulated)	1000 W 28VDC(regulated) 40VDC(unregulated)
Power(continuous)	40W	100W	750W
I/F	Ethernet, RS422	Ethernet, RS422	Ethernet, RS422
Launch configuration	Compatible with 16U CubeSat canistor	Falcon 9 Rideshare	Falcon 9 Rideshare XL Full Plate
Comm	S-band X-band	S-band X-band	S-band X-band
Option			
- Xenon EP			+80kg Isp 1000s 10mN(continuous) 10kN*s(total impulse) 200m/s (200kg payload)
- Chemical propulsion	1N *1 17m/s		+100kg 1N *8 10N *4 180 m/s (200kg payload)
			+0.5M USD (LT 12months)
			+1.0M USD (LT 12months)





Dual-use space platform for government and enterprise constellation

Payload Accommodation Specifications

- Payload Mass	200 kg
- Payload Volume (Open Deck)	1000 mm x 1000 mm x 700* mm *Height depends on LV's payload volume
- Payload Peak Power	1000 W
- Payload OAP	750 W (with SADAs)
- Voltage	Voltage Regulated: 28 V Unregulated: 40 V
- Data Rate	S-band: 8 Mbps (up/downlink) X-band: 150 Mbps (downlink)
- Data Interface	Ethernet, RS-422
- OCT Accommodations	Up to 4 OCTs (Customer or GITAI furnished)

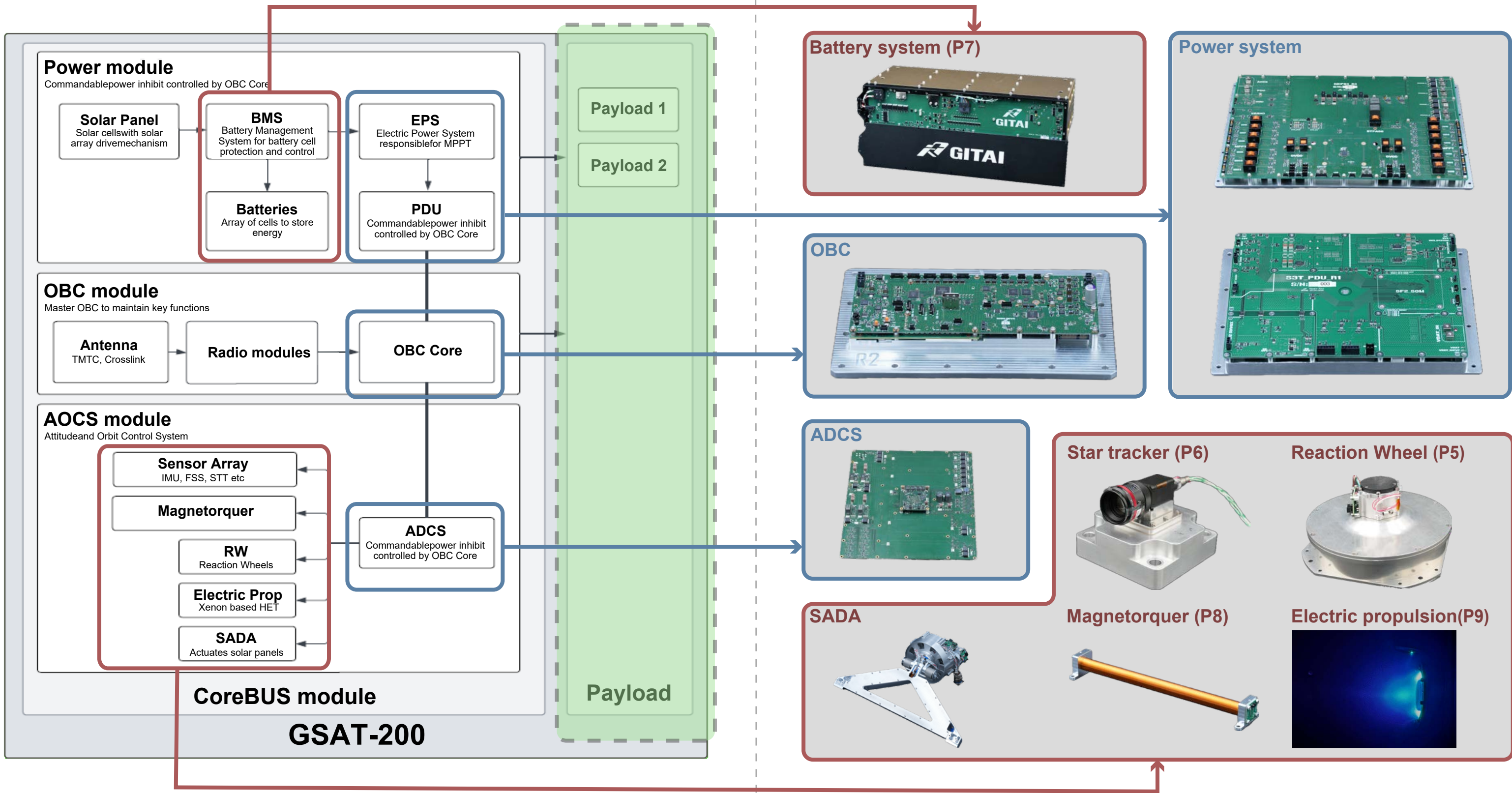
Mission Specifications

- Delta-V	200 m/s (with 200 kg payload mass)
- Orbit	Altitude: 400 km – 1000 km Circular Inclination: Low inclination to SSO

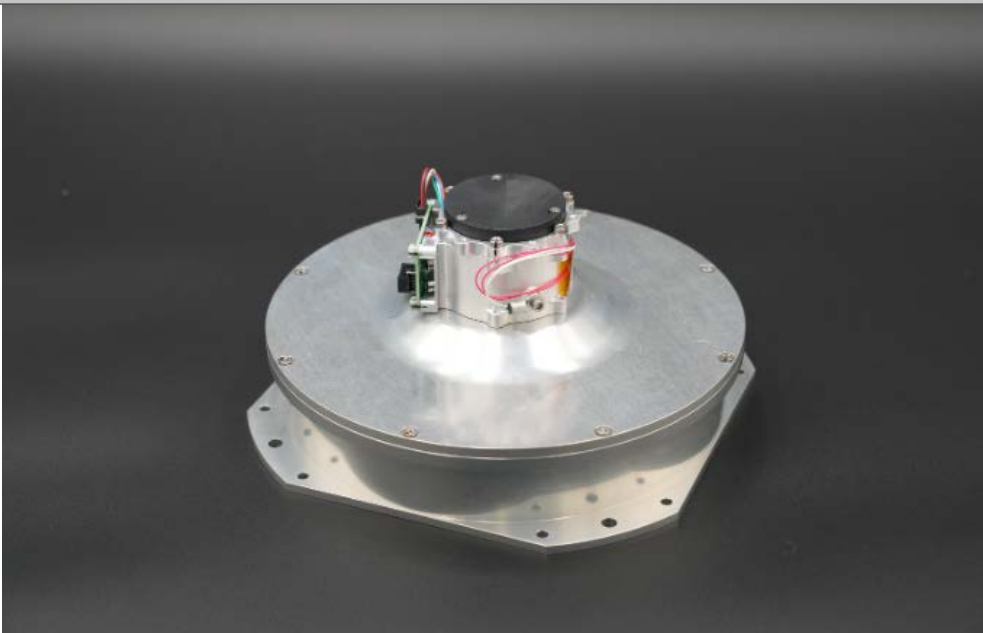
Pricing and Lead Time

- Unit Price	3.5 Million USD
- Lead Time	12 months





General



Specification

- Model Name	GRW-200
- Price[kUSD]	30 kUSD
- Dimensions L x W x H (mm)	200 x 200 x 95 [mm] Comes with 110 x 100 [mm] controller
- Mass [kg]	RW:2.4kg, Driver0.3kg
- Power Consumptions	Steady-state at nominal voltage < 9W Peak at nominal voltage < 150 W
- Supply Voltage	nominal: 28V lower limit: 24V upper limit: 48V regulated/unregulated: regulated
- Data Interface	RS-422
- Design Life (Years)	7
- Speed Range [RPM]	7500 /28V
- Angular Momentum Capacity [Nms]	5.9 /28V
- Torque Capability [mNm]	300

General



Specification

- Model Name	GSTT-1
- Price[kUSD]	12 kUSD
- Dimensions L x W x H (mm)	45x165x45(camera unit) 150x150x10(board)
- Mass (baffle & star tracker)	Boards + heatsink = 500g camera + lens (1pc) = 225g
- DC Voltage[V]	12
- Average power consumption[W]	15.0 + 3.0 * [number of cameras]
- Interface	RS-422, Ethernet
- Design Life [Years]	7
- Max Tracking Rate	2.0°/SEC
- Update Rate[Hz]	1
- Star Catalog	8819 stars

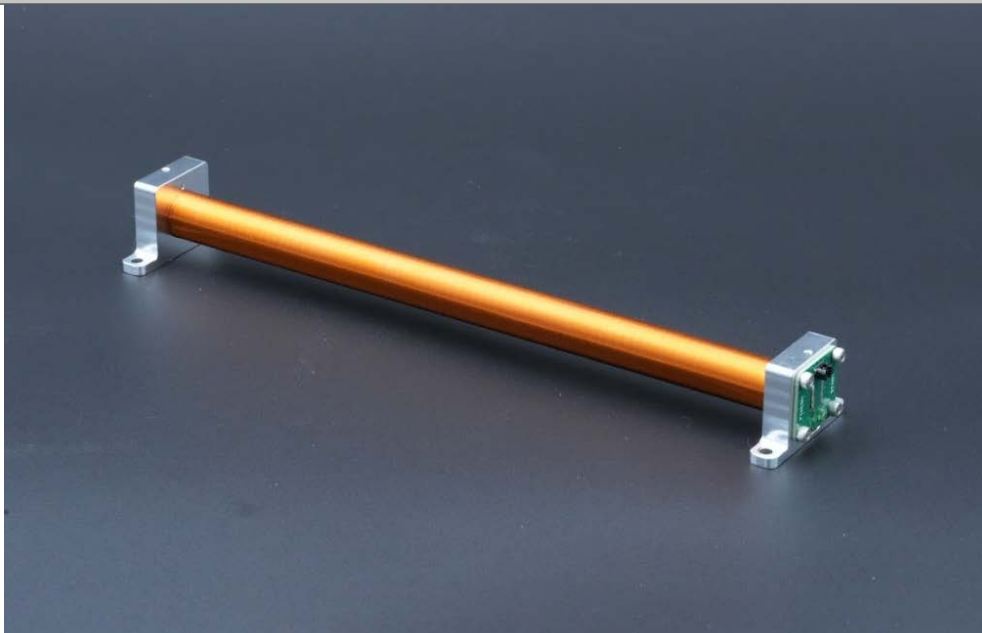
General



Specification

- Model Name	GBAT-600
- Price[kUSD]	TBD
- Dimensions L x W x H (mm)	196 x 452 x 104.5
- Mass [kg]	10.5
- Output Voltage [V]	40
- Capacity [Ah]	15
- Design Life [Years]	7
- Discharge Current [A]	Continuous : 30 Max Peak (5-sec): 60
- Protection Features	Overcharge, Overdischarge, Overcurrent, Over/Under Temperature, Cell Balancing

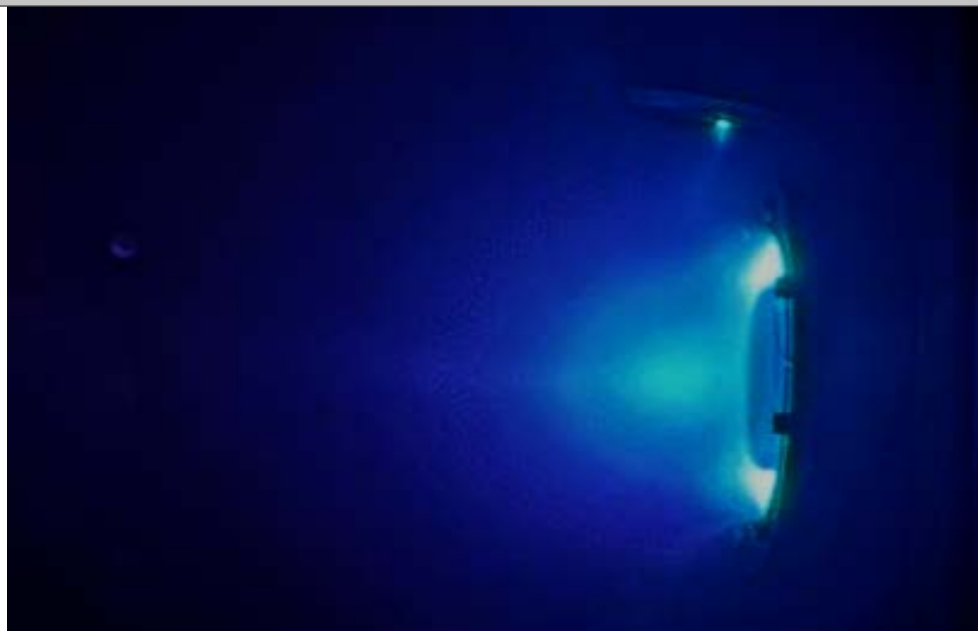
General



Specification

- Model Name	GMTQ-30
- Price[kUSD]	TBD
- Dimensions L x W x H (mm)	275 x 52 x 32
- Power [W]	5
- Weight [g]	500
- Design Life (Years)	7
- Moment [Am2]	30
- Current [mA]	200

General



Specification

- Model Name	GEP-01
- Price[kUSD]	TBD
- Power Consumptions [W]	350
- Design Life [Years]	7
- Thrust Force [mN]	15
- Total Impulse [kN-s]	100
- Isp [s]	1000
- Delta-v	200m/s for a 500kg dry-mass satellite.
- Data Interface	RS-422

The EP-350 includes thruster, tank, PPU, and will be commanded through RS-422 interface.