

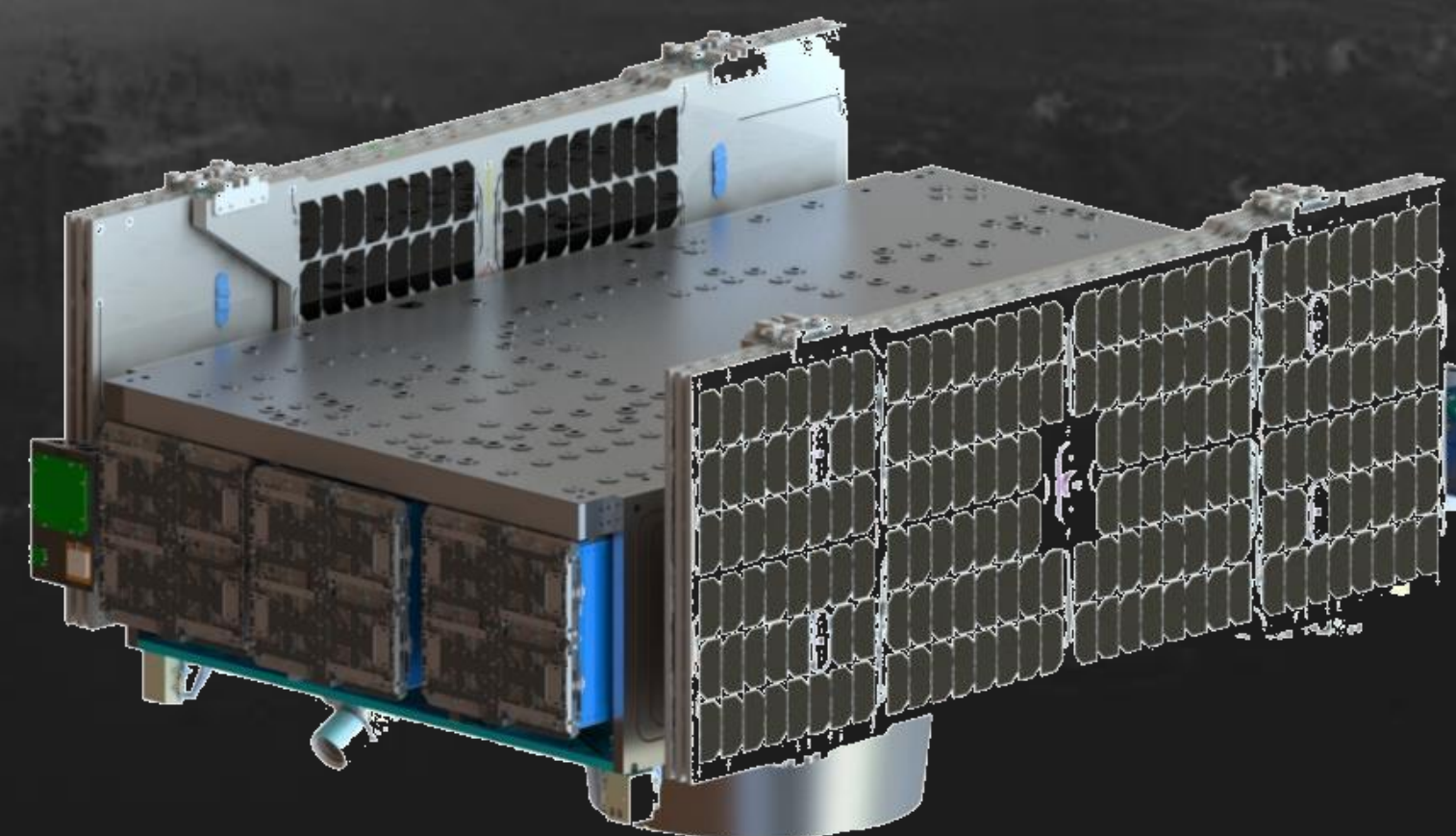


HOSTED PAYLOAD SERVICE

FLIGHT PROVEN VIGORIDE SERVICE VEHICLE

PAYLOAD CAPABILITIES

Mass Capacity	<1kg up to 800 kg
Volume	1.5 x 0.9 m – Footprint Up to 2 m – Height 28 x 28 x 40 cm – Module bays
Power	Up to 1 kW OAP, 3 kW Peak
Power Interfaces	28V Unregulated – Baseline Other voltages compatible
Data Interfaces	UART RS485/RS422, GigE, USB, Wi-Fi
Communications	TTC to OISL Including persistent connectivity
Pointing	Tunable to 10 arc-seconds
On-Orbit Operations	Up to 7 years - LEO Up to 5 years – GEO
In-Space Transportation	Up to 2 km/s Chem and Electric prop options



RIDESHARE SERVICE

Shared rides for economical access to orbit & heritage

DEDICATED SERVICE

Exclusive use of Vigoride for your bespoke mission



Vigoride 5 Space Solar Power Demonstration with Caltech



Vigoride 7 hosting >10 payloads with Commercial and USG Partners
SW hosting available

Momentum Vigoride spacecraft can host payloads from LEO to Cislunar Orbits

For any questions or inquiries please reach out to: sales@momentus.space



VIRTUAL & SOFTWARE PAYLOAD HOSTING

DEPLOY YOUR CODE IN SPACE



Providing a cloud
environment in space
leveraging compute
and sensors in orbit

COMPUTE NODES

NVIDIA GPU	Jetson Orin NX 175 TOPS – AI Performance 1024 Ampere – GPU 16 GB – RAM
UltraScale+™ FPGA	Xilinx XCZU7EV 504,000 – Logic Elements 4 GB – RAM
Microprocessor	Arm® Cortex®-A53 4 Cores – 1.6 GHz 4 GB – RAM
Storage	3 TB

SPACECRAFT SENSOR ACCESS

Fisheye Camera	186° - Field of View 9MP/3k x 3k – Resolution 1.83 mm, f/2.4 – Lens
Multispectral RPO – Near Field	2x – LiDAR SCOUT – Stereovision
Vigoride Telemetry	Attitude, Position, Timing, Velocity

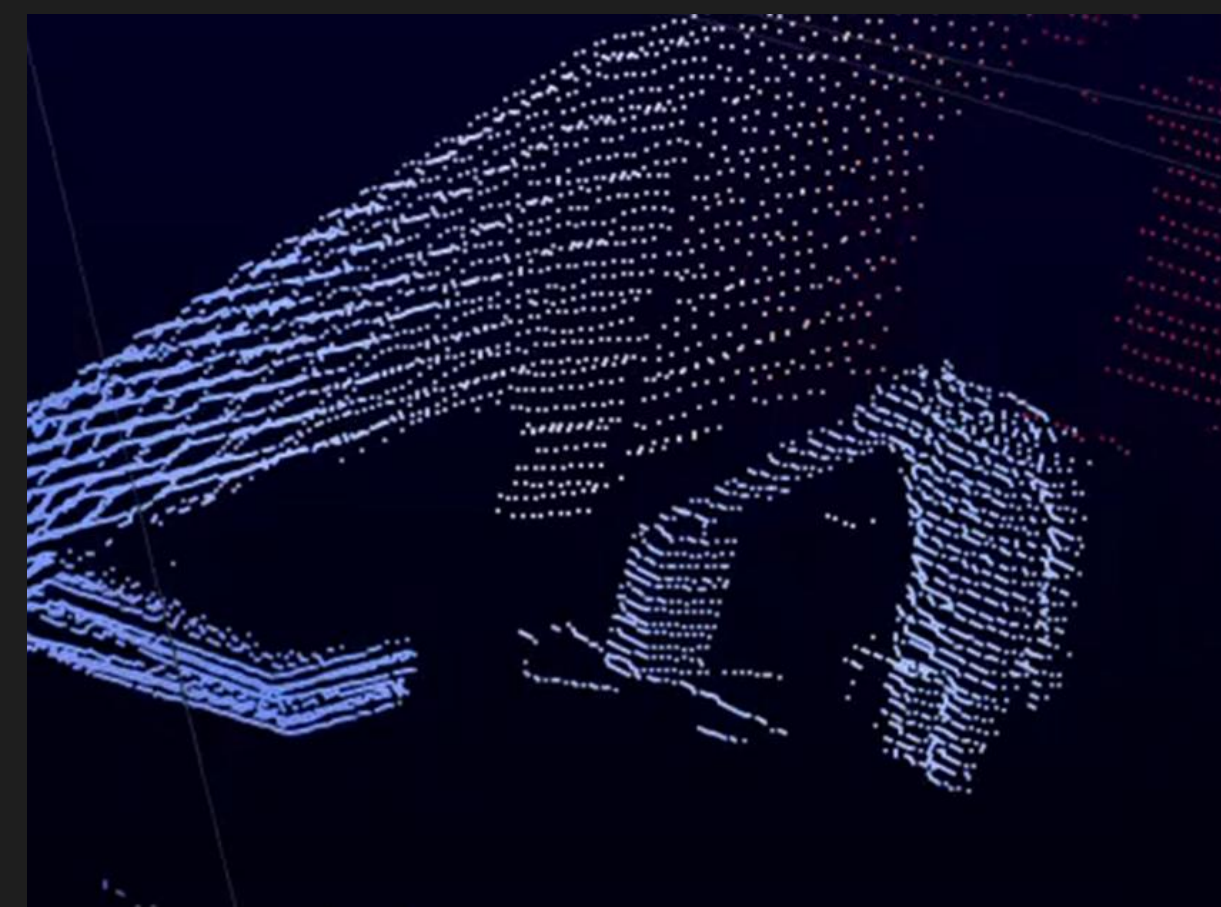


UPLOAD → RUN → INSIGHTS



RENDEZVOUS AND PROXIMITY OPERATION

Datasets from Chaser AND Client
available for validating GNC, AI,
and autonomy algorithms



To get on board visit software.dphispaces.com or reach out to: sales@momentus.space