NEXUS AURORA

RUGGED TERRESTRIAL TESTING IN *ANY* ENVIRONMENT

The Scout Platform is the first Off-The-Shelf solution to bring the means for true analog testing to rover payloads in a standardized, rapidly deployable way.

We build, integrate, deploy, and manage fleets of rovers in extreme locations to bring affordable terrestrial analog testing to everyone.

3D Mapping and Traversal

Autonomous navigation and obstacle avoidance using State of the Art Intel Depth Sensing Cameras
- Supports SLAM variable navigation
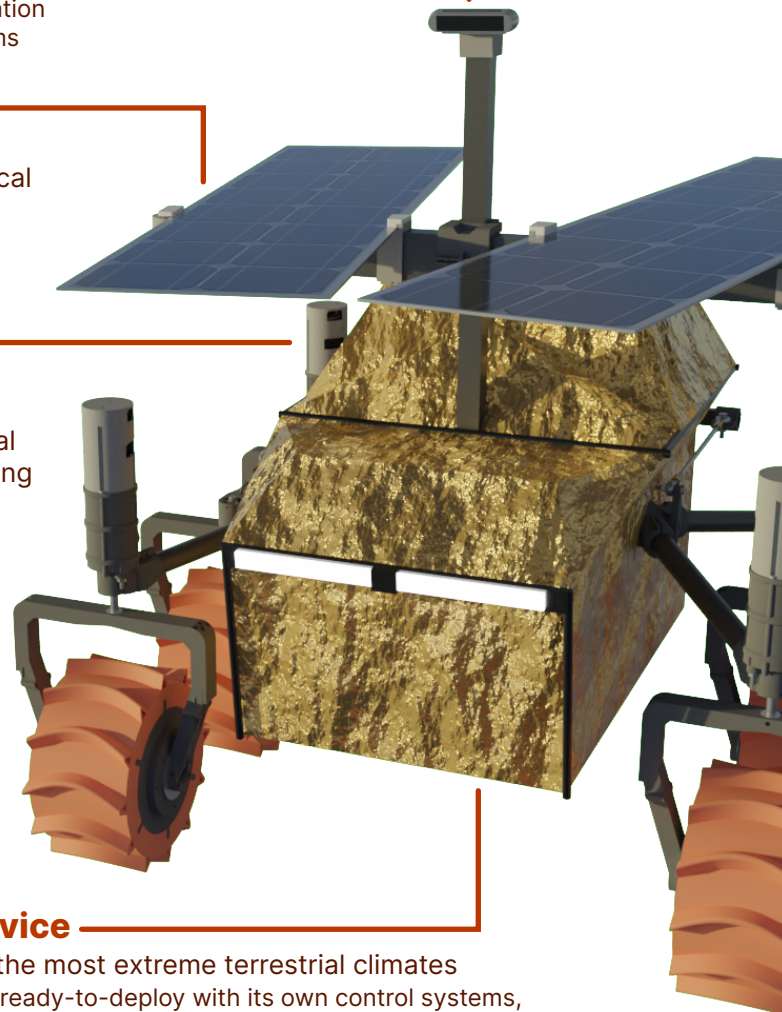- Payload accessible data streams

Asset Management

Advanced power and data management to meet the demands of multiple payloads throughout mission critical phases and rover idle.
- Collect and analyse payload and vehicle health data
- Priority tasking of available resources
- On-demand provisioning

Payload-Driven

Manifest plug-and-play payloads for internal or external missions, from software defined control to drilling or long range testing.
- Co-manifested payloads with tasking available
- Payload defined mission profiles

System Specifications

Payload	Power	350Wh/day @ 5/12V
	Data	CAT6 Ethernet (250 MHz)
	Lifetime	2 weeks min., up to 2 yrs
	Payload Capacity	20 kg
	Payload Size	300 × 300 × 500 mm
	Software	Robot Operating System 2
Rover	Traversal	20° incline, 7.5 cm obstacle
	Enivironment	−50°C to 32°C
	Thermal Control	Available upon Request

Test-as-a-Service

Rugged design for the most extreme terrestrial climates
- The Scout is ready-to-deploy with its own control systems, just integrate your chosen payload
- Thermal and Radiation management available
- On-site and remote mission control and support
- Integration, deployment, and retrieval offered