

NEWSPACE MARKET · COMPANY PROFILE



Aerospacelab

Belgium · founded 2017 · aerospacelab.com

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as of 20 August 2026



Aerospacelab

Aerospacelab is a Belgian satellite manufacturer founded in 2017, headquartered in Mont-Saint-Guibert. The company designs, builds, and operates versatile satellite platforms (VSP) targeting the 50–300 kg class — a performance-per-cost sweet spot between CubeSats and large GEO satellites. Aerospacelab's Versatile Satellite Platform (VSP) family — VSP-50, VSP-150, and VSP-300 — shares a standardized modular core optimized for serial manufacturing and rapid integration. The VSP-150 has been the workhorse platform, flying six satellites in orbit including Earth-observation, RF-sensing, and hosted-payload missions. The VSP-50 leverages VSP-150 heritage subsystems and avionics in a smaller thermo-mechanical envelope, while the VSP-300 targets larger missions including JAXA's SAMRAI project. The company operates a production facility in Belgium with capacity for serial manufacturing of entire constellations, with a Megafactory in Charleroi targeting 500 satellites per year. Aerospacelab serves institutional and commercial customers globally, including Belgian Defence, JAXA, Xona Space Systems, and Vyoma.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Design and build your mission (full-stack approach)

Aerospacelab offers a full-stack approach to design and build complete missions, combining platforms, payloads, and integrated subsystems for compatibility, speed, and scalability.

Design and integrate high-performance payloads

Aerospacelab designs and integrates high-performance payloads for Earth Observation and Telecommunications, optimized to the customer's platform and mission profile.

Operate satellites

Aerospacelab operates satellites to deliver actionable data to customers when needed.

Product catalogue



AEROSPACELAB

H1 and H2 Smallsat Platforms — Aerospacelab Satellite Manufacturing

Aerospacelab is a Belgian commercial smallsat manufacturer founded in 2018 and headquartered in Mont-Saint-Guibert, Belgium, with a satellite Megafactory in Charleroi. The company

price on request



AEROSPACELAB

VSP-150 Versatile Satellite Platform

Aerospacelab's flagship ~150 kg LEO satellite platform — flight-proven with multiple in-orbit satellites — optimized for SpaceX Transporter rideshare and supporting optical, RF, an

Platform class	VSP-150
Satellite mass	~136–150 kg
Dimensions	~114 × 70 × 70 cm
Orbit	LEO / SS0, ~525 km
Design lifetime	5 years
Launch compatibility	SpaceX Falcon 9 Transporter (½ plate)
Satellites in orbit	6+ (as of 2024)

flight proven · TRL 9 price on request



AEROSPACELAB

VSP-300 Versatile Satellite Platform

Aerospacelab's 300 kg class Versatile Satellite Platform for larger institutional and commercial missions — selected by JAXA for the SAMRAI space situational awareness project.

Platform class	VSP-300
Satellite mass	~300 kg class
Orbit	LEO / SS0
Architecture	Standardized modular core (VSP family)
Reference mission	JAXA SAMRAI (space situational awareness)
Manufacturing	Serial production compatible – Megafactory Belgium
Applications	Optical EO, SAR, RF sensing, telecom, SDA

price on request



AEROSPACELAB

VSP-50 Versatile Satellite Platform

Aerospacelab's 50 kg class Versatile Satellite Platform — a compact, agile LEO smallsat bus sharing VSP-150 heritage subsystems and avionics, enabling hosted payloads in any orient

Platform class	VSP-50
Wet mass (platform)	~50–70 kg
Orbit	LEO / SS0
Payload accommodation	Any-direction mounting
Heritage	VSP-150 subsystems & avionics
Manufacturing	Serial production compatible
TRL	9 (flight proven platform family)

flight proven · TRL 9 price on request

Contact Aerospacelab

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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