

NEWSPACE MARKET · COMPANY PROFILE



Abyom Spacetech

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as of 20 August 2026

Abyom Spacetech

Abyom-Spacetech aims to enable frequent, low-cost deployment of satellites, micro-constellations, and orbital assets. The company supports tactical defense missions by deploying defense satellites into GEO for responsive space operations and sovereign access to space. It also facilitates microgravity experiments above the Kármán line for validating life sciences, fluid dynamics, and material behavior. Additionally, Abyom-Spacetech conducts meteorological missions by deploying advanced meteorological instruments to the upper atmosphere for data collection, weather modeling, atmospheric profiling, and climate instrument calibration. The company offers static fire tests and performance evaluations for rocket engines at its Rocket Engine Test Facility, catering to academic institutions and R&D teams. The company's mission is to establish India as a world leader in indigenous, reusable, and reliable space launch infrastructure, focusing on sustainable, cost-effective, and cutting-edge reusable launch vehicle technologies. The founder and CEO is Jainul Abedin.

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

Conduct short-duration microgravity experiments

Conduct short-duration microgravity experiments above the Kármán line, ideal for validating life sciences, fluid dynamics, and material behavior in space-like conditions.

Deploy advanced meteorological instruments

Deploy advanced meteorological instruments to the upper atmosphere for high-altitude data collection, enabling advanced weather modeling and atmospheric profiling.

Deploy defence satellites into GEO

Deploy defence satellites into Geostationary Earth Orbit (GEO) to support responsive space operations and establish sovereign access to space for critical defence applications.

Test rocket engines

Conduct static fire tests and performance evaluations to verify rocket engine thrust, efficiency, and reliability at the Rocket Engine Test Facility.

Product catalogue



ABYOM SPACETECH

Medium Reusable Launch Vehicle (MRLV)

Heavy-lift orbital launch vehicle — 15 t to LEO (reusable) or 2 t to GTO — 75 m tall, 9× AbyoKalam-950 LOX/LNG engines for telecom, defense, and cargo missions.

Height	75 m
Diameter	4.8 m
Payload (reusable) to LEO	15 t
Payload (reusable) to SSO	9 t
Payload (reusable) to GTO	2 t
Propellant	LOX/LNG
Engine model	AbyoKalam-950

price on request



ABYOM SPACETECH

Reusable Sounding Rocket

Two-stage reusable sounding rocket delivering 200 kg to LEO — 5× AbyoKalam-35 LOX/LNG engines, 16 m booster, designed for atmospheric research and microgravity experiments.

Payload capacity	200 kg to LEO
Booster stage	16 m height × 1.8 m diameter
Payload stage	16 m height × 2 m diameter
Propellant	LOX/LNG
Engine model	AbyoKalam-35
Number of engines	5
Reusable	Yes

price on request



ABYOM SPACETECH

Small Reusable Launch Vehicle (SRLV)

Orbital small launch vehicle with 2.6 t to LEO (reusable) or 7 t (expendable) — 9× AbyoKalam-350 LOX/LNG engines, 55 m tall, targeting commercial small satellite operators.

Height	55 m
Diameter	3 m
Payload (reusable) to LEO	2.6 t
Payload (reusable) to SSO	1 t
Payload (expendable) to LEO	7 t
Payload (expendable) to SSO	5 t
Propellant	LOX/LNG

price on request

Contact Abyom Spacetech

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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<https://abyom.com/>

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