

NEWSPACE MARKET · COMPANY PROFILE



Adaptive Launch Solutions

United States · founded 2010 · adaptivelaunch.com

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PRODUCTS

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SERVICES

newspacemarket.com/companies/adaptive-launch-solutions-als/

as of 20 August 2026

A large, faint, dark grey circular graphic is positioned in the lower right quadrant of the page. It consists of a central circle surrounded by two concentric arcs, creating a stylized 'eye' or 'target' shape.

Adaptive Launch Solutions

Adaptive Launch Solutions (ALS) designs and manufactures adaptive structures to safely house satellites for launch, adaptive avionics to integrate multiple missions, and provides adaptive launch solutions on multiple NSSL and Small Launcher platforms. The company offers full launch integration services for pico, nano, micro, mini, and small satellites on Evolved Expendable Launch Vehicle (EELV), Medium Launch Vehicles (MLVs), and Small Launch Vehicles (SLVs). Their product lines include the A-Deck Structure, Adapters, and the Auxiliary Payload Support Unit (APSU), which includes an avionics sequencer. ALS also provides launch integration services, encompassing program management, contract management, and engineering design. Their customers include government agencies such as the US Space Force and NASA, as well as operators and integrators involved in multi-manifest missions. The company began developing auxiliary satellite mission designs, mechanical and avionic systems, engineering analysis, and integration procedures in 2010. The A-Deck Structure, Adapters, and APSU underwent full component qualification testing from 2010 to December 2015, with independent verification and validation by Aerospace Corporation. ALS holds a US Patent (US 8,608,114B2) for its flight system, including the APSU. The ALS-designed avionics sequencer flew in September 2021, supporting the US Space Force with the NASA Landsat 9 mission. ALS has successfully launched four multi-manifest missions as part of the US Space Force's Launch Manifest System Integration (LMSI) program, with a backlog extending until 2025.

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SERVICES

Services

Aerospace Engineering Services

ALS provides aerospace engineering services, focusing on systems integration for multi-manifest satellites, including design, fabrication, assembly, test, and flight readiness, adhering to industry st

Artificial Intelligence Services

ALS provides artificial intelligence and deep learning services, including machine learning, probabilistic modeling, and intelligent modeling for testing and training, utilizing various AI tools and p

Contracts and Finances staff

ALS provides contracts and finance support with deep experience in government (FAR compliant) and commercial contracts, ensuring correct execution and documentation for domestic and international agre

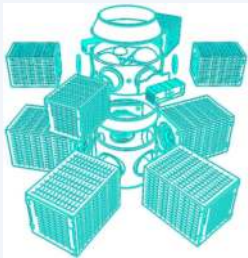
Launch Integration Services

ALS provides comprehensive launch integration services for small satellites, including planning, execution, and interface document development, ensuring compliance with launch service provider require

Mechanical Test

ALS performs mechanical testing for space qualified hardware, including shock, random, sine, thermal cycle, thermal vacuum, and EMI/EMC/ESD tests, meeting NASA and MilSTD specifications.

Product catalogue



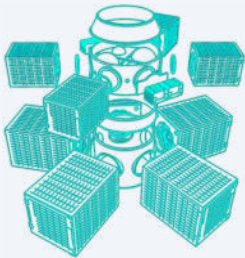
ADAPTIVE LAUNCH SOLUTIONS

A-Deck Adapter System

TRL-8 spacecraft adapter system rated to 1,000 kg supporting Pico through Mini class satellites as hosted or secondary payloads on EELV launch vehicles.

TRL	8
Rated capacity	1,000 kg
Compatible vehicles	EELVs
Supported satellite classes	Pico, Nano, Micro, Mini

TRL 8 price on request



ADAPTIVE LAUNCH SOLUTIONS

Adaptive Launch Solutions

A family of adaptive structures and avionics from Adaptive Launch Solutions (ALS) that safely house and integrate satellites for launch across multiple National Security Space Laun

Configurations	5 variants (Types 1G, 1E, 1M, 1S, 1C)
Usable diameter	1.5 m – 2.5 m
Compatible payload classes	ESPA Grande, ESPA, CubeSat
Integration	A-Deck + APSU + dispensers

price on request

Contact Adaptive Launch Solutions

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://adaptivelaunch.com>

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