

NEWSPACE MARKET · COMPANY PROFILE



Atlas Space Operations

United States · founded 2015 · atlasspace.com

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as of 20 August 2026



Atlas Space Operations

ATLAS Space Operations, founded in 2015 in Traverse City, Michigan, provides cloud-based Ground Software as a Service (GSaaS) for satellite operators. Its Freedom platform gives operators a single API and unified interface to schedule passes, stream telemetry, and command spacecraft across a federated network of more than 50 antennas at 30+ ground stations worldwide, spanning S-band, X-band, Ka-band and UHF, and supporting LEO, MEO and GEO missions. Rather than requiring customers to integrate separately with each ground station operator, ATLAS's Freedom Pass Server consolidates access to ATLAS-owned sites and third-party networks (including AWS Ground Station and Viasat) behind one integration. The platform includes an Insights analytics module that scores every satellite pass against dozens of data points, flexible scheduling from two weeks to one minute in advance, a FreeTime capacity-discovery API, and a guided Copilot onboarding workflow for new missions. Beyond software, ATLAS supports Launch and Early Orbit Phase (LEOP) operations, offering pre-launch simulations, anomaly response, and coordinated global antenna access during critical early mission windows. Customers span federal, civil and commercial space, including satellite operators such as Capella Space, Astroscale, Sidus Space and Nanoracks, and the company has also delivered antenna hardware innovations such as a low-profile phased-array ground antenna prototype. In 2025, ATLAS Space Operations was acquired by York Space Systems, continuing operations from its Traverse City, Michigan headquarters with an additional office in Denver, Colorado.

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SERVICES

Services

Antenna Integration and Network Expansion Integrates customer-owned antennas into the Freedom GSaaS network and supports the sale of spare antenna time.	Customer Onboarding and Integration (Copilot) Guides customers through a streamlined, automated onboarding process for mission communication, from API integration to end-to-end testing.
Ground Software as a Service (GSaaS) Provides secure, scalable ground software solutions for spacecraft communication and data access through a global federated network.	Launch & Early Orbit Phase (LEOP) Services Offers critical support for the Launch & Early Orbit Phase, including anomaly response, monitoring, task scheduling, and satellite tracking.
Managed Network Service Provider Manages satellite communication links for constellations and single spacecraft using a smart, scalable global federated network.	

Product catalogue



ATLAS SPACE OPERATIONS

Federated Ground Network

A federated, network-of-networks antenna infrastructure of 50+ antennas across 30+ ground stations worldwide, accessible through a single integration with the Freedom platform.

Network size	50+ antennas across 30+ ground stations
Country coverage	20+ countries
Frequency bands	S-band, X-band, Ka-band, UHF
Orbit types	LEO, MEO, GEO
Representative antenna hardware	Orbit Communication Systems Gaia-100 (L-band to K-band, radome-enclosed)
Representative sites	Barrow (Alaska), American Samoa, Rwanda (COSMIC-2), and additional partner ground stations
Access model	Single integration with Freedom for access across all federated sites

price on request [datasheet](#)



ATLAS SPACE OPERATIONS

Freedom Ground Software as a Service (GSaaS)

Cloud-based Ground Software as a Service unifying access, scheduling, and telemetry/command across ATLAS's own antennas and third-party ground networks through a single API.

Frequency bands	S-band, X-band, Ka-band, UHF
Orbit types	LEO, MEO, GEO
Integration model	Single API / single Freedom Pass Server (one IP, one port) across ATLAS and third-party networks
Pass analytics	Insights module scores every pass against 34 data points (Success/Warning/Error)
Scheduling window	From 14 days to 1 minute before a pass
Capacity discovery	FreeTime API/Discover for unused antenna capacity
Onboarding	Copilot guided workflow from requirements to end-to-end testing

price on request

Contact Atlas Space Operations

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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