

NEWSPACE MARKET · COMPANY PROFILE



Aistech Space

Spain · founded 2015 · aistechspace.com

5

PRODUCTS

5

SERVICES

newspacemarket.com/companies/aistech-space/

as of 20 August 2026



Aistech Space

Aistech Space designs and manufactures small satellites equipped with proprietary Multispectral Thermal Telescopes to capture high-resolution, high-frequency thermal imagery from space. This imagery reveals human activity and thermal signatures across the planet, providing persistent thermal monitoring. The company's product lines include accessible and on-demand thermal data, delivered via its proprietary satellite constellation. This data supports various industries, including Security & Defense for remote monitoring, Critical Infrastructure for leak detection, Maritime for naval security and spill detection, Natural Hazards for wildfire and deforestation detection, and Agriculture for water use optimization. Aistech Space has launched the Hydra 2 satellite, which is the first commercial satellite to incorporate its Multispectral Thermal Telescope, marking the beginning of its commercial constellation. The company has collaborated with Telespazio Ibérica, Kreios Space, and the University of Vigo on a project for satellite-based detection of forest fires. Aistech Space is currently undergoing a Series B funding round.

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

Detection of wildfires, deforestation, and emissions

Aistech Space provides detection services for natural hazards like wildfires, deforestation, and emissions using thermal imagery.

High-resolution thermal imagery

Aistech Space provides high-resolution, high-frequency thermal imagery to reveal human activity and thermal signatures across the globe.

Leak detection and overheating monitoring

Aistech Space provides leak detection and overheating monitoring for critical infrastructure using thermal imagery.

Naval security, spill detection, and monitoring of illegal activities

Aistech Space supports maritime operations with services for naval security, spill detection, and monitoring of illegal activities.

Remote monitoring of sensitive areas

Aistech Space offers remote monitoring of sensitive areas for security and defense applications using thermal imagery.

Product catalogue



AISTECH SPACE
Enabler Multispectral Telescope

Aistech's in-house-developed multispectral thermal telescope payload flown on every Hydra satellite, covering visible, near-infrared and long-wave thermal infrared bands.

Payload generation (2026)	Enabler v1.1 / v1.2
Payload generation (2027, planned)	Enabler v1.3
Payload generation (2028, planned)	Enabler v2.0
Bands (v1.1/v1.2)	BLUE, GREEN, RED, NIR, LWIR 8-14 um
Bands (v1.3)	BLUE, GREEN, RED, NIR, LWIR1 10.5-11.5 um, LWIR2 11.5-12.5 um
Swath (v1.1/v1.2)	7 km
Swath (v1.3)	18 km

price on request

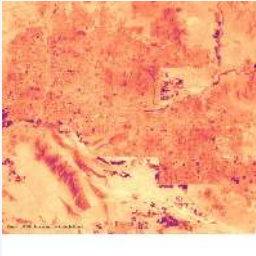


AISTECH SPACE
Hydra Satellite Constellation

Aistech Space's proprietary constellation of 6U-class small satellites delivering high-resolution, high-frequency thermal infrared Earth observation data.

Satellite class	6U CubeSat
Planned constellation size	48 satellites (by 2030)
Satellites in orbit (as of Jan 2026)	3 (Hydra-1, Hydra-2, Hydra-3)
2026 planned launches	6
Thermal resolution	<30 m
2026 spectral bands	BLUE 0.4-0.5 um, GREEN 0.5-0.57 um, RED 0.57-0.75 um, NIR 0.75-0.9 um, LWIR 8-14 um
2026 swath width	7 km

price on request



AISTECH SPACE
On-Demand Imagery

Pay-as-you-go access to Aistech's thermal infrared satellite imagery for one-time or occasional needs tied to specific events or projects.

Service levels	Standard On-Demand TIR, Priority On-Demand TIR
Data type	Thermal infrared (TIR) imagery
Access model	Pay-as-you-go, transactional
Pricing	Not publicly disclosed - contact sales

price on request



AISTECH SPACE
Priority Tasking

Premium, rapid-activation satellite tasking service for mission-critical thermal ISR scenarios such as wildfire response and security monitoring.

Service levels	Standard Tasking, Priority Tasking
Primary use cases	Wildfire response, security monitoring
Data type	Thermal infrared (TIR) imagery
Access model	Priority on-demand tasking
Pricing	Not publicly disclosed - contact sales

price on request

AISTECH SPACE

TIR Subscription

A recurring subscription service providing scheduled, ongoing access to Aistech's thermal infrared (TIR) satellite imagery, sold in Basic, Standard and Premium tiers.

Subscription tiers	Basic, Standard, Premium
Data type	Thermal infrared (TIR) imagery
Access model	Recurring subscription
Pricing	Not publicly disclosed - contact sales

price on request

Contact Aistech Space

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://aistechspace.com>

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