

# Japan Space Market Brief

EEN Japan Space Business Mission (January 2026)

Pre-departure briefing – 11 December 2025

*Fabrizio Mura*

*Team Leader, EEN Japan*

# 13 years of PAs at EEN Japan

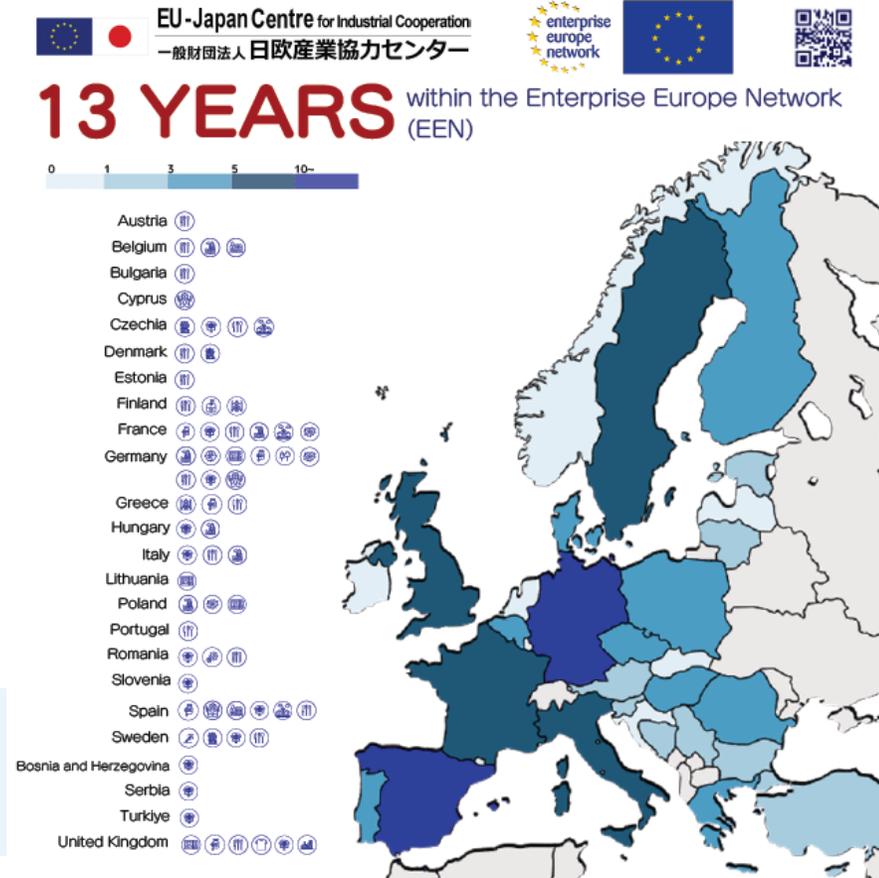
EEN Japan results and lessons learned

Distribution of partnerships signed by EU MS

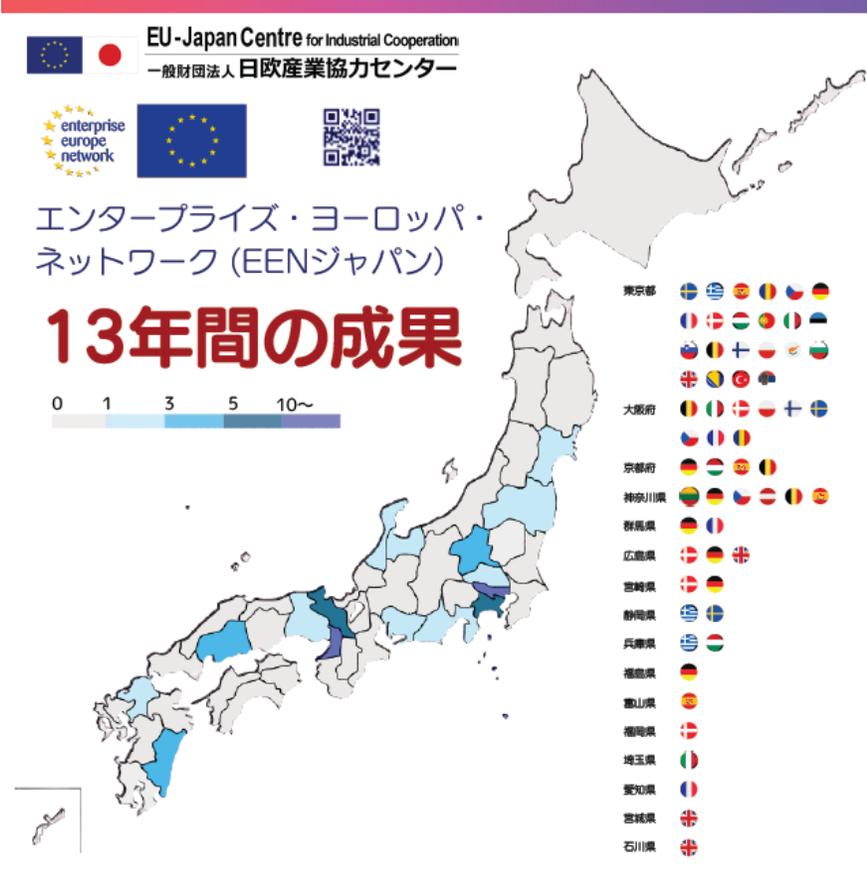
Wide variety of business sectors covered



2011-2024



2011-2024



# EU-Japan Centre for Industrial Cooperation

## Disclaimer

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The contents do not constitute investment advice

## About the speaker

10 years of CSA on EU Space Assets + downstream applications in Japan + S-E Asia (Galileo / Egnos, Copernicus Relay Networks, EU Space Data Highway);

6+ EU Business Missions to Japan in the Space Sector since 2015; 3 PAs;

Engineering PM in robotics, electronics and control systems;



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Japan's space market: 3.56Bn USD (2025) <sup>(2)</sup> expected to double by 2030

90-95% in space solutions; 5-10% payloads / hardware / equipment <sup>(1)</sup>

80% - 90%: government funded contracts

well-established players serve the internal market: (exports ~ 3% of demand) <sup>(3)</sup>

involvement from non-Space Japanese corporates (Canon, Honda, Toyota and more)

Source:

(1) METI page on the Japanese Space Industry (JP):

[https://www.meti.go.jp/policy/mono\\_info\\_service/mono/space\\_industry/index.html](https://www.meti.go.jp/policy/mono_info_service/mono/space_industry/index.html)

(2) Japan Space Service market briefing: <https://www.marketsanddata.com/industry-reports/japan-space-service-market>

(3) SJAC market data analysis for 2022: [http://sjac.or.jp/pdf/data/5\\_R5\\_uchu.pdf](http://sjac.or.jp/pdf/data/5_R5_uchu.pdf) page 6

# Japan Space Market Brief

**Broad, fully fledged industry value chain and operations**

**50+ years of independent access to space**

**Established government programs (GNSS / EO / Satcom / SSA / Defense etc..)**

**International cooperation with NASA / ESA / EU MS Space Agencies (DLR, CNES, ASI, etc) as well as SE-Asian partners**

**Growing private sector with notable players**

# Japan Space Market Brief

JAXA's Japan Space Strategy Fund (2023 → 2030s): 6.7Bn USD in 3 key areas

Transportation

(sustainable) launch systems  
missions

Satellites

satellite manufacturing  
(secure) communication solutions

Exploration

In-orbit / lunar exploration services

Downstream applications  
Dual-use technologies



[https://fund.jaxa.jp/content/uploads/Overview\\_of\\_The\\_SpaceStrategy\\_Fund.pdf](https://fund.jaxa.jp/content/uploads/Overview_of_The_SpaceStrategy_Fund.pdf)

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# Japan Space Market segmentation

## Satellite Data / Space Tech Application



*Disaster prevention and distress prevention services are being developed using satellite data.*

*Synspective expands its manufacturing facilities for mass production of satellites, and signs partnership agreements overseas.*

### Satellite Data Applications

- From September to November 2023, Yamap signed "Distress ZERO" agreements with the Fukui Prefectural Police, the Hiroshima Prefectural Police, the Yamagata Prefectural Police, and Tsuru City, Otsuki City, and Uenohara City Fire Departments, to use a mountain climbing map GPS application.
- In September 2023, Tenchijin launched a disaster support service through the Tenchijin Compass Space Waterworks Bureau.
- In October 2023, Synspective established its own manufacturing facility for the mass production of SAR satellites.
- In January 2024, Tenchijin reached an investment agreement with SKY Perfect JSAT, accelerating the expansion of their satellite data business through a business alliance
- In February 2024, Synspective signed a three-way MOU with the Vietnam National Remote Sensing Center and Fujitsu Vietnam for natural disaster preparedness, natural resource management, and economic and social development in Vietnam

### Space Education and Consulting Services

- In December 2023, DigitalBlast launched a social collaboration course "Research for Space Resource Utilization on a Commercial Space Station" with the University of Tokyo, and began joint research to create a new economic zone based around space stations.

#### MARKET

*According to a total global estimate (Bryce Space and Technology), the market size for ground equipment on a revenue basis is estimated to be 13.5 trillion JPY, while the market size for communication and remote sensing satellite services is estimated to be 11.8 trillion yen.*

## Launch Services



*In government news, a key rocket launch was successfully conducted. Government support for space ventures is also becoming more active.*

- In September 2023, Innovative Space Carrier, Interstellar Technologies and SPACE WALKER were selected for the Ministry of Education, Culture, Sports, Science and Technology's Small and Medium Enterprise Innovation Promotion Project.
- In September 2023, MJOLNIR SPACEWORKS was selected for NEDO's Small Business Innovation Research (SBIR) promotion program.
- In February 2024, the second H3 rocket test was conducted. The flight successfully proceeded as planned.

#### MARKET

*The market size of the "Launch services" segment in Japan is currently approx.130 billion JPY, estimated to reach 360 billion JPY in the 2050s.*

*(Ministry of Internal Affairs and Communications, documents of taskforce, 2019)*

# Japan Space Market segmentation

## Satellite Infrastructure Deployment and Operation

### Japan's creation and use of satellite constellations and work towards a reduction in space debris are progressing

- In September 2023, Space Compass began studying communications and on-orbit data processing operations for the successor to the Japanese Experiment Module "Kibo" on the International Space Station.
- In October 2023, ArkEdge Space was selected by the Ministry of Economy, Trade and Industry (METI) for its Small and Medium Enterprise Innovation Promotion Project using advanced satellite remote sensing data to create new areas for the space industry.
- In October 2023, Infostellar began providing hosting services for the U.S.-based Planet Labs, Inc. in Taiki, Hokkaido, Japan.
- In December 2023, Space Compass began accelerating the development of a direct communication system for mobile devices via HAPS with the aim of early commercialization, and started research and development of high-speed, high-capacity technologies with a view to expanding usage after commercialization.
- In January 2024, Axelspace was selected by the Geospatial Information Authority of Japan (GSI) and the Ministry of Land, Infrastructure, Transport and Tourism (MLIT) for an electronic land maps project.
- In February 2024, Pale Blue was selected for an SBIR Phase 3 grant by the Ministry of Education, Culture, Sports, Science and Technology (MEXT), providing a maximum of approximately 4 billion yen to develop and demonstrate a propulsion system that will contribute to space debris reduction.

#### MARKET

The market size of this segment in Japan is currently ~180 billion JPY, estimated to reach ~1.4 trillion JPY in the 2050s.

(Ministry of Internal Affairs and Communications, documents of taskforce, 2019)

According to a total global estimate (Bryce Space and Technology, 2019), the market size for satellite production (2020, revenue basis) is estimated to be 1.2 trillion JPY.

## In-Orbit Services

### Considerations for the Post-ISS decommission are underway

- In September 2023, Space quarters was awarded a contract by SKY Perfect JSAT to study the construction of a next-generation large space station
- In September 2023, ElevationSpace cooperated with Mitsui & Co., Ltd. on a project to study the successor to the ISS's Kibo module, and joined as a partner to study high-frequency sample collection
- In January 2024, Astroscale completed deorbit control operations on the ELSA-d mission
- In February 2024, SpaceBD was contracted by JAXA to conduct a conceptual study for an in-orbit life science experiment system for a future low earth orbit crewed base

#### MARKET

The size of the existing market is currently unknown due to it being fairly new.

Globally, it is predicted to be € 2.5B ~ € 5B in 2036. (Space Tech Partners, OOS/ ADR Market Highlights, 2019)

There are also forecasts estimating the revenue of the whole market exceeding \$4.5B (about 450 billion JPY) by 2028. (NSR(Northern Sky Report,

# Japan Space Market segmentation

## Space Tourism /Migration



*Efforts toward lunar transportation and demonstrating the efficacy of space food are underway*

- In October 2023, Yspace began joint research with SG Moving, a general logistics company, into lunar transportation
- In January 2024, ONETABLE supplied the ISS with their Japanese space food "LIFE STOCK ENERGY Grape-Jelly"

### MARKET

*The size of the existing market is currently unknown due to it being fairly new.*

*Globally, it is predicted to be 1.1B (Bryce Space and Technology, 2018) - 3B JPY (UBS Investing Insights, 2019) in 2036. (Excludes Point-To-Point Space travel)*

*In another forecast (Deloitte, Commercialization of LEO, 2018), LEO space travel market size is estimated to be up to \$3.1B (about 300 billion JPY) in the 2020s.*

## Space Exploration /Space Mining



*The first private-sector Moon-landing was attempted in April 2023. Although the attempt was not successful, the cause was identified, and subsequent missions are in the works*

- In October 2023, ispace signed a MOU with Skyroot and HEX20
- In December 2023, ispace signed a MOU with Orbit Fab to establish a sustainable lunar economic zone through space refueling
- In January 2024, ispace signed a MOU with mu Space for a future lunar orbiting mission

### MARKET

*The size of the existing market is currently unknown due to it being fairly new.*

*Globally, it is forecasted to exceed 630 billion JPY in 2040 (London Economics analysis, 2014).*

*Based on the total number of missions carried out globally as of September 2020 (Bryce Space and Technology), 95 missions to the Moon and 11 missions to Mars are planned for the period from 2020 to 2030.*

# Japan Space Market Industry: startups

## Player Map by Business Segment

Total 102  
(Excluding Duplicates)

● Space Startup  
● Non-Space Startup

### Satellite Data / Space Tech Application

Satellite Data Application	Space Technology / Outer Space Utilization	Space Education and Consulting Services
<ul style="list-style-type: none"> <li>● Axelspace</li> <li>● aim</li> <li>● Archeda, Inc.</li> <li>● Astroflash</li> <li>● Blue Planet Sensing</li> <li>● DATAFLUCT</li> <li>● Degas</li> <li>● Dynamic Map Platform</li> <li>● Gaia Vision</li> <li>● Global Positioning Augmentation Service</li> <li>● Green &amp; Life Innovation</li> <li>● Hokkaido Satellite</li> <li>● ListenField</li> <li>● IQPS</li> <li>● MizLinx</li> <li>● Polar Star Space</li> </ul>	<ul style="list-style-type: none"> <li>● Ridge-I</li> <li>● Spectee</li> <li>● SAGri</li> <li>● Sakura Internet</li> <li>● Satellite Data Service</li> <li>● SmartLinkHOKKAIDO</li> <li>● Solafune</li> <li>● Space-Agri</li> <li>● SpaceData</li> <li>● Space Shift</li> <li>● Sustainacraft</li> <li>● Synspective</li> <li>● Tenchijin</li> <li>● Umitron</li> </ul>	<ul style="list-style-type: none"> <li>● ALE</li> <li>● Bascule</li> <li>● EX-Fusion</li> <li>● IDDK</li> <li>● New Space Intelligence</li> <li>● SIGNATE</li> <li>● Skygate Technologies</li> <li>● SpaceBalloon</li> <li>● Space Basil</li> <li>● Space Bio-Laboratories</li> <li>● Space Cosmetology</li> <li>● Space Entertainment Laboratory</li> <li>● Space NTK</li> <li>● TOWING</li> </ul>
		<ul style="list-style-type: none"> <li>● Amulapo</li> <li>● BENJAMIN BRANCH</li> <li>● DigitalBlast</li> <li>● Fusic</li> <li>● INCLUSIVE SPACE CONSULTING</li> <li>● JAOPS</li> <li>● Midtown</li> <li>● minsora</li> <li>● SEESE</li> <li>● soranome</li> </ul>

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### Launch Services

- Astro Ocean
  - AstroX, Inc.
  - Interstellar Technologies
  - Innovative Space Carrier
  - MJOLNIR SPACEWORKS
  - PD Aerospace
  - Rocketlink
  - SpaceWalker
  - SpaceBalloon
  - SPACE COTAN
  - Space BD
  - SpaceOne
  - Space Transit
  - Orbspace
  - Yspace
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### Satellite Infrastructure Deployment and Operation

<ul style="list-style-type: none"> <li>● ArkEdge Space</li> <li>● Axelspace</li> <li>● Blue Planet Sensing</li> <li>● Cislunar Technologies</li> <li>● Infostellar</li> <li>● Interstellar Technologies</li> <li>● IQPS</li> </ul>	<ul style="list-style-type: none"> <li>● Letara</li> <li>● Pale Blue</li> <li>● Terra Space</li> <li>● task-inc</li> <li>● Skygate Technologies</li> <li>● Synspective</li> <li>● WARPSPACE</li> </ul>
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### In-Orbit Services

- Astroscale
  - ALE
  - BULL
  - ElevationSpace
  - GITAI
  - HOUKIBOSHI
  - Orbital lasers
  - RyuTeC
  - Space Basil
  - SpaceBD
  - Space Entertainment
  - STARS Space Service
  - Space Quarters
  - WOTA
- 13

### Space Tourism / Migration

<ul style="list-style-type: none"> <li>● amulapo</li> <li>● BugsWell</li> <li>● Club Tourism Space Tours</li> <li>● CHILD</li> <li>● Dinow</li> </ul>	<ul style="list-style-type: none"> <li>● Euglena</li> <li>● Integriculture</li> <li>● Iwaya Giken</li> <li>● ONETABLE</li> <li>● OUTSENSE</li> </ul>	<ul style="list-style-type: none"> <li>● PD Aerospace</li> <li>● SpaceWalker</li> <li>● Space Art and design</li> <li>● TOWING</li> <li>● Yspace</li> </ul>
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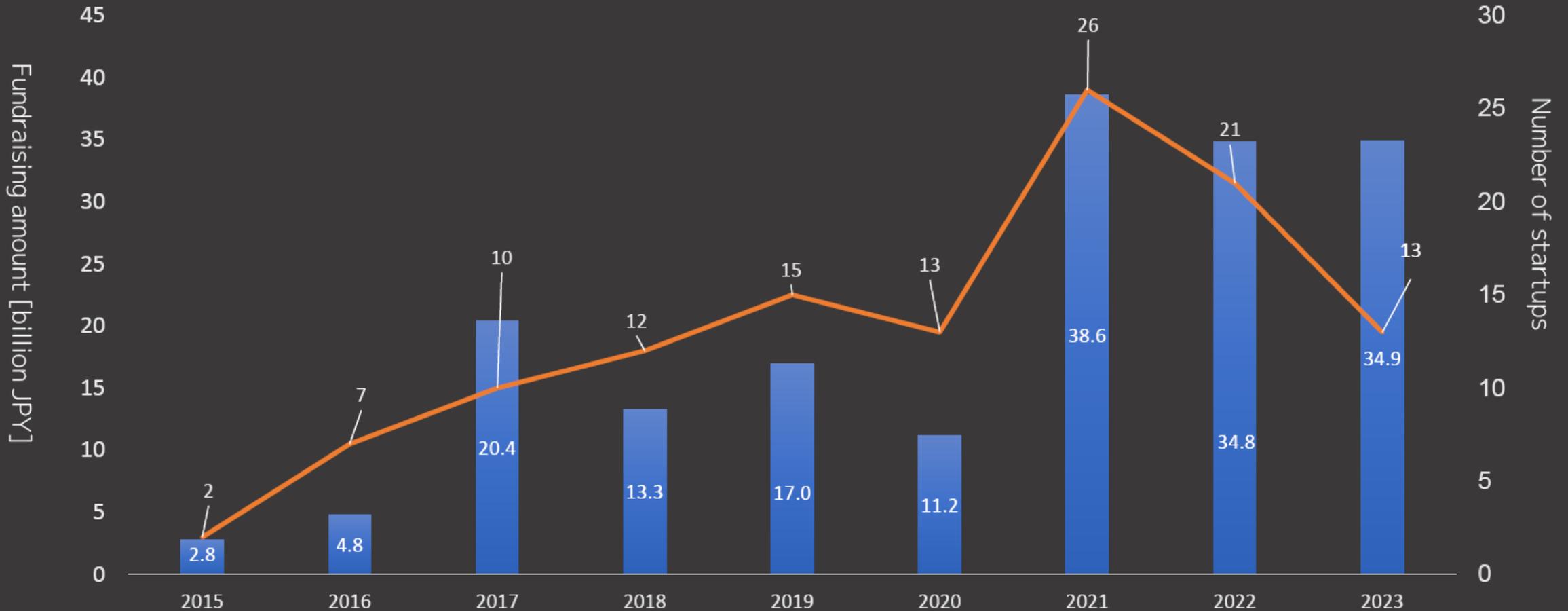
### Space Exploration / Space Mining

- avatarin
  - Dymon
  - EX-Fusion
  - GITAI
  - ispace
  - MEI TIN MMI
  - task-inc
- 7

# Japan Space Market Industry: startups

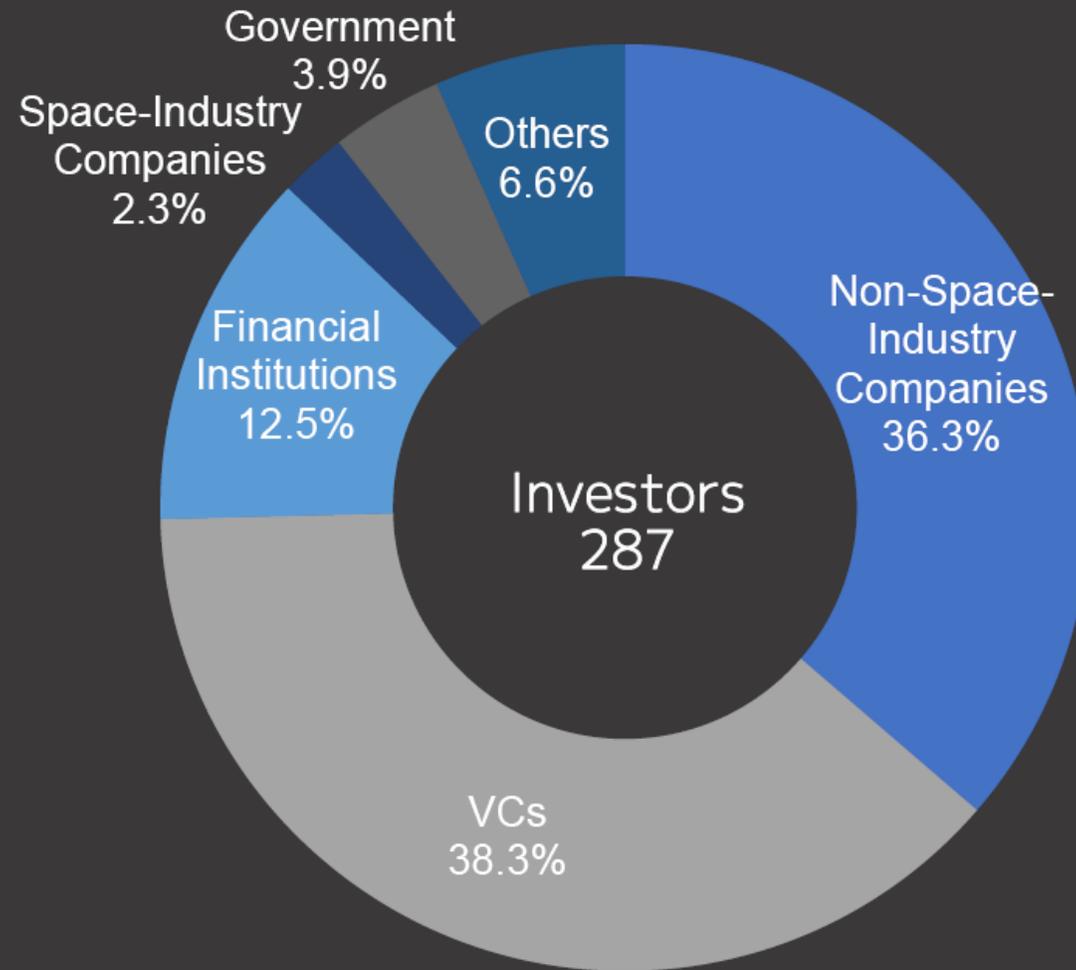
## Domestic Fundraising

More than 100 billion JPY in financing was raised in the five years since 2019. The average amount of fundraising has increased compared to 2022.



# Japan Space Market Industry: startups

Investment Overview by Player: Cumulative number of investors and breakdown from 2015



# Japan Space Market Industry: startups

## Top 10 companies cumulative fundraising from 2015-2024.2

The top 10 companies have raised more than 2.0 billion JPY, including 3 companies that have raised more than 20.0 billion JPY on an announced basis

\* Excluding bank borrowings / Note that this is an announced amount only and may differ from the actual fundraising

#	Startup Players	Year of Founded	Fundraised Amount(JPY) (since 2015/published amount only*)	Satellite Data / Space Tech Application	Launch Services	Satellite Infrastructure Deployment and Operation	In-Orbit Services	Space Tourism / Migration	Space Exploration / Space Mining
1	Astroscale	2015	51.0B				○		
2	ispace	2010	24.0B						○
3	Synspective	2018	20.9B	○					
4	AxelSpace	2008	16.8B	○		○			
5	iQPS	2005	9.1B			○			
6	GITAI	2016	8.4B	○					
7	Dynamic Map Platform	2016	6.7B						○
8	Interstellar Technologies	2013	4.4B		○				
9	ALE	2011	4.1B	○			○		
10	ArkEdge Space	2018	2.7B			○			



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# Recent startup

decreasing population trend

> 9M abandoned houses in Japan

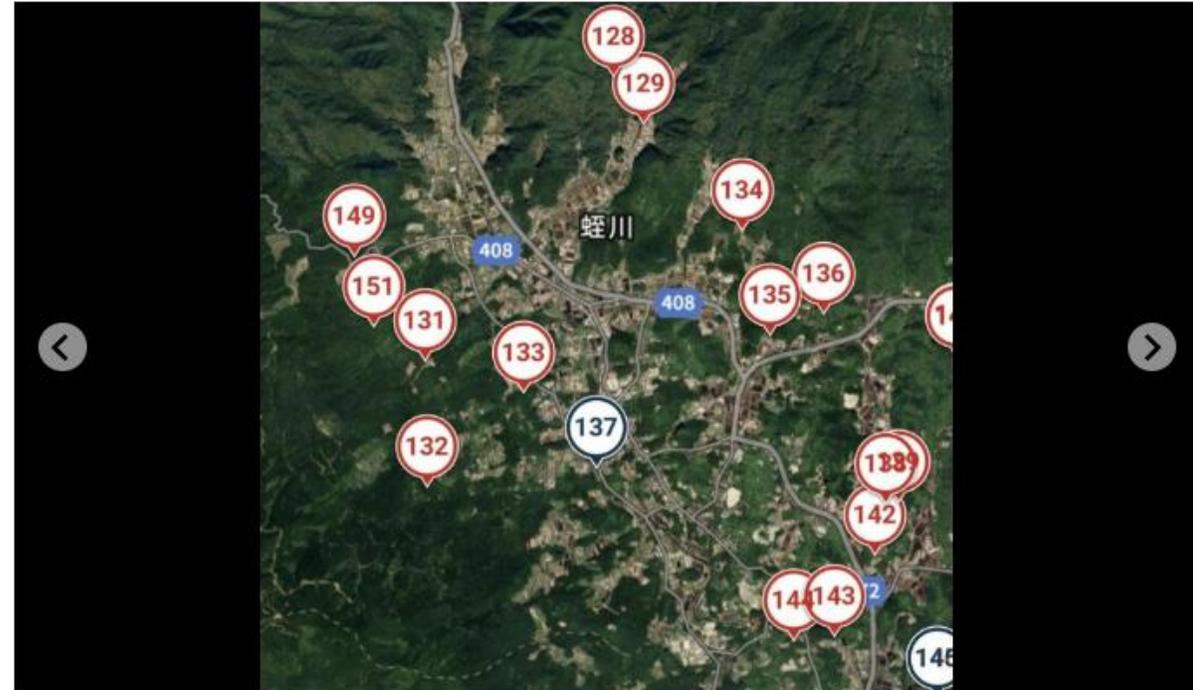
“made in Japan” solution addressing a local problem

EO x AI to search and locate houses

Support from JAXA startup program

## Japan firms turn to satellites, AI to find abandoned houses for sale

KYODO NEWS - Nov 24, 2025 - 13:00 | All, Japan



# Thank you for listening

Questions and Contact: [inquiries\\_EUJP@eu-japan.or.jp](mailto:inquiries_EUJP@eu-japan.or.jp)

A big thanks to the SPACETIDE Foundation for the use of the slides from the public version of COMPASS report No 10



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