

Japan Startup Ecosystem

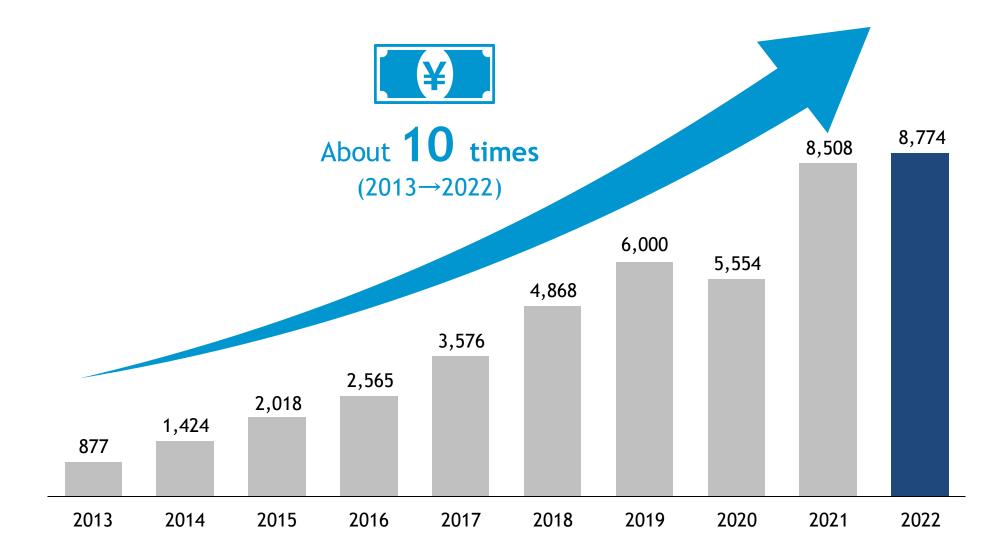
June 2024





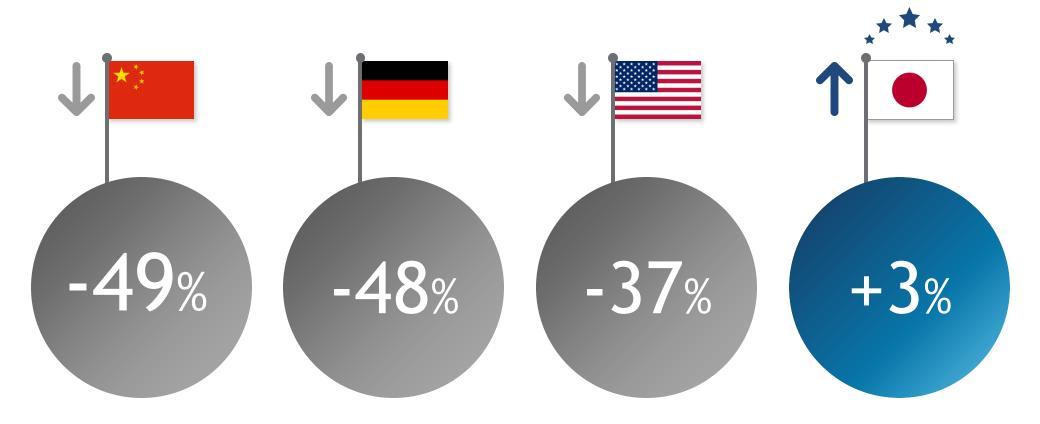
Japan's startup ecosystem is booming

Investment amount to startups in Japan (100M yen/year)



Japan's startup investment is strong despite a drop in other countries due to economic stagnation

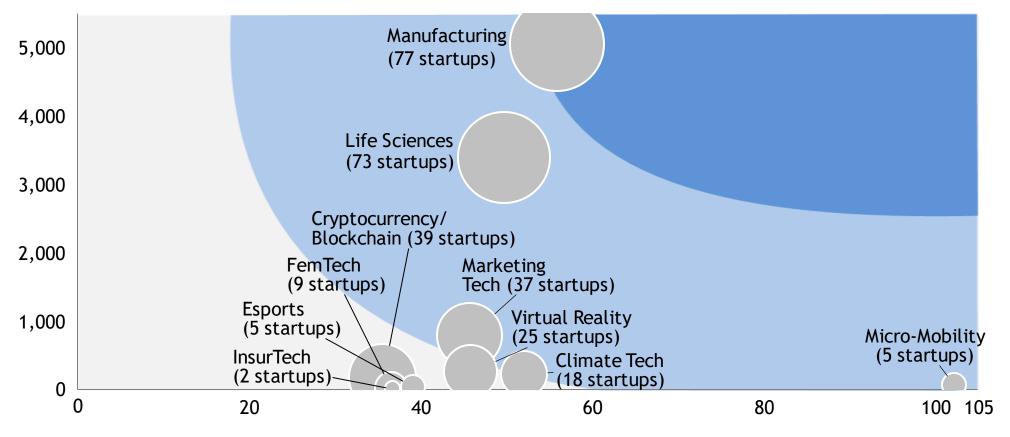
Percentage increase of startup investment (2021→2022)



There is more potential especially in the fields of manufacturing, life sciences, etc.

Top 10 growth areas of Japanese startups (2018-2023)

Capital Invested (USD Mn)



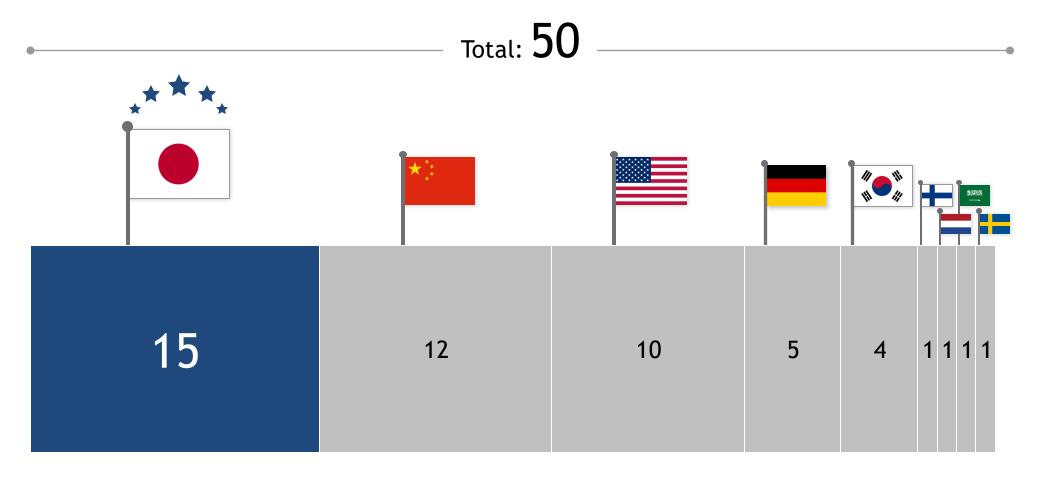
Investment Growth Rate (2018-2023)

Note: A Pitchbook startup is defined as a company that has received investment from VCs or PEs since its establishment. It does not include corporate data for which Vertical is not registered. Companies established after 2008 are eligible.

Source: Pitchbook

The number of international patent applications filed by Japanese companies is large, indicating evident technology competitiveness

Nationality breakdown of top 50 international patent applications by companies (2022)



Note: Japan has the greatest number (15 companies) in the top 50 PCT applications companies Source: WIPO [Annex 2: PCT Top Applicants]

Japan is globally highly competitive with numerous patents in manufacturing

Number of inventions in the area of manufacturing (2010-2021)

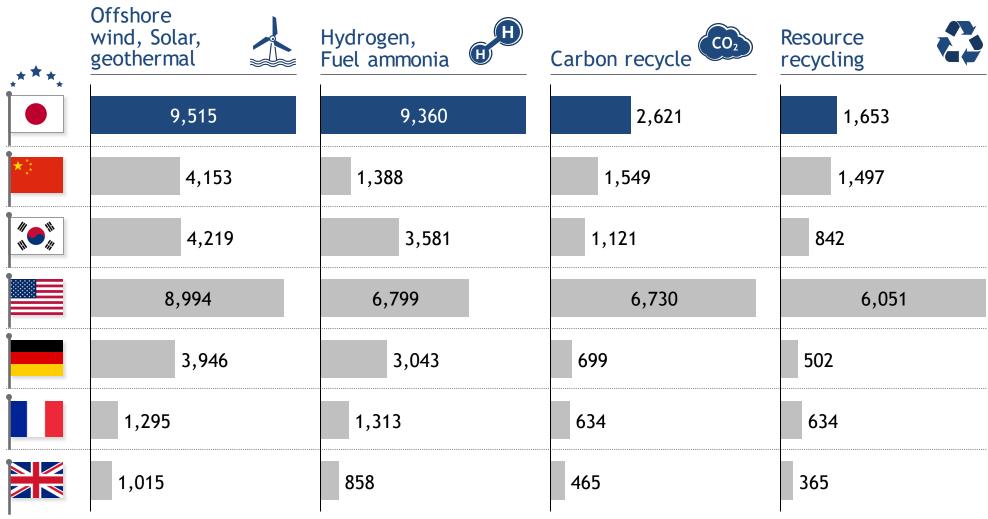


Note: The number of inventions is the number of inventions that has been developed internationally between 2010-2021, "the number of inventions" filed in multiple countries/regions, and the "number of inventions" filed in EPO/PCT; also known as International Patent Family (IPF)

Source: Japan Patent Office, Patent information analysis based on GXTI in 2022

Further growth of competitiveness is expected in Japan with numerous Climate tech-related patents

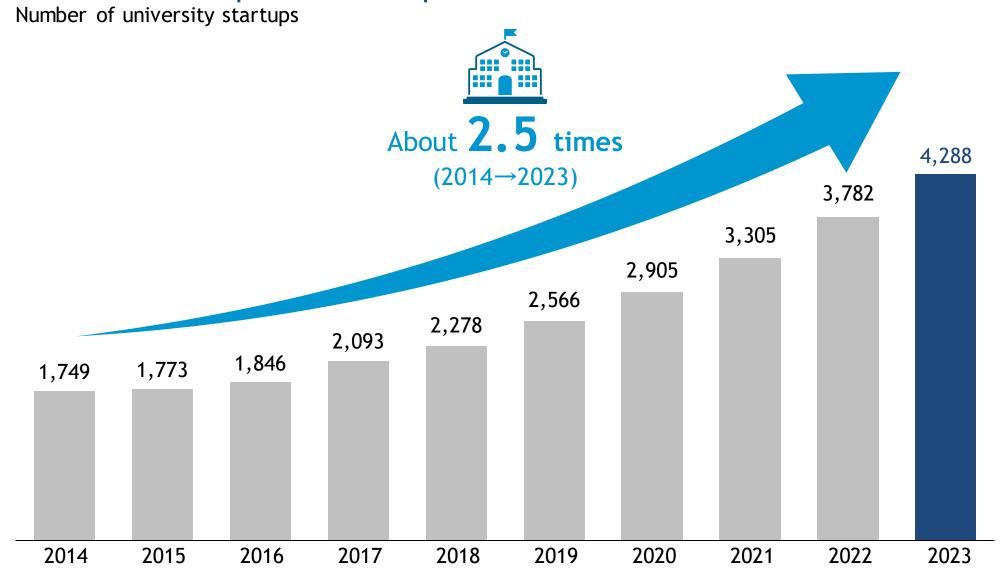
Number of inventions in the area of climate tech (2010-2021)



Note: The number of inventions is the number of inventions that has been developed internationally between 2010-2021, "the number of inventions" filed in multiple countries/regions, and the "number of inventions" filed in EPO/PCT; also known as International Patent Family (IPF)

Source: Japan Patent Office, Patent information analysis based on GXTI in 2022

Number of university startups is increasing, contributing to the increase of deep tech startups



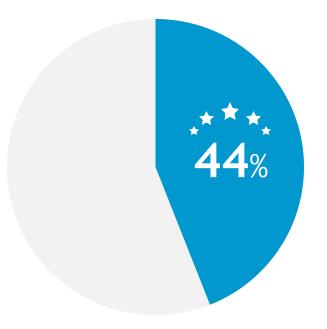
Job preference of Japanese students is changing

University students' desire for employment at startups



About half of university students prefer startups to start their career

Students expected to graduate in 2021



Foreign investors have greater expectations on the growth of the Japanese startup ecosystem

Japan is the best country in Asia to live in and entrepreneurs recognize that.

As the government creates a more start-up friendly environment, we expect great things



Ben Horowitz

Co-founder and General Partner Andreessen Horowitz (a16z)

Source: Bloomberg

[An Economic Giant Fast-tracks Its Own New Miracle]
Andreessen horowitz: https://a16z.com/author/ben-horowitz/

Iconic IPO and M&A by Japanese startups since 2018

Company	Exit Type	Exit Year	Exit Value (JPY Billion)	Field
mercari	IPO	2018	676.7	Mobile app, SaaS
<u></u> ρaidy	M&A Acquired by PayPal	2021	300.0	FinTech, Mobile app
≫ VISION∧L	IPO	2021	254.5	HR Tech, SaaS
# safie	IPO	2021	164.6	SaaS
HEROZ	IPO	2018	163.4	Artificial Intelligence

Note: Iconic IPOs and M&As of Japanese startups in the exit market in Japan are extracted in order of size at the time of exit. Source: INITIAL [Japan Startup Ecosystem Report 2023 H1], Startup's official website



Company Name

Mercari, Inc.

Founded

February 2013

Description Planning, development, operation, etc. of the "Mercari" flea market app

> "Mercari" is a CtoC marketplace, offering unique experience that anyone can sell unwanted goods using smartphones

Exit Type

IPO (Jun 2018)

Exit Value 676.7 (JPY Billion)

Mercari has pursued four elements: "safe and reliable," "easy for all," "more fun each time," and "do good, feel good."

Founded on the strong network formed by our users through our beginnings as the C2C marketplace Mercari, we have since evolved (and continue to evolve) our user experience.

We will continue to draw out undiscovered value in people and things all over the world and help people who need that value to find it. We want to unleash the potential in all people by creating an ecosystem that circulates all forms of value, both tangible and intangible.



Shintaro Yamada Director, Representative **Executive Officer and** CEO

Source: Mercari official website, etc.



Company Name Paidy Inc.

Founded

March 2008

Description

BNPL service "Paidy"

 Provides a BNPL service accepted by over 700,000 e-commerce sites including Amazon and Qoo10, also other merchants that accept Visa

Exit Type

M&A (Sep 2021)

 Acquired by a U.S. online payment major PayPal

Exit Value

300.0 (JPY Billion)

There has been a great need for BNPL (Buy-Now-Pay-Later) by young women who live in the suburban areas who want to stretch out their payment a little for dressing up and going to an esthetic salon, etc.. Financial institutions in Japan have not been able to provide services to these customers. ... The essence of BNPL is to realize smooth shopping for customers with no burden of interest and create as much needs as possible. We will never charge interest.



Riku Sugie President and CEO Paidy

The Situation of Startup Ecosystems in Japan Agenda Japan's Policy on Startups

The Japanese government declared its focus on startup policy

I place particular emphasis on startups. Diverse challengers to the status quo are already emerging in Japan

:

Next TOYOTAs and SONYs will spring from the drive and determination of these challengers

The important thing is to create an ecosystem in Japan where startups will flourish

 Speech by Prime Minister Kishida Fumio at the New York Stock Exchange
 September 22, 2022



Tenfold investment in the startups in 5 years

Following the Kishida Administration's declaration of "The first year for founding startups" in January 2022, a five-year plan was compiled that gives an overall picture of Japan's startup development measures by the public and private sectors.

Building human resources and networks for startup creation

Fostering startup leaders and accelerating entrepreneurship as people are the most important element of startups



Expanding funding provision for startups and diversifying exit strategies

Expanding investment by VCs and individuals to secure funding for the significant growth of startups



Promoting open innovation

Promoting open innovation between large companies and startups. Increasing M&A as an exist strategy



Government actively leads various support measures to strengthen Japan's startup ecosystem

Startup support measures (excerpt)		Main targets of support					
		Deployment		Stage			
		Japan	Overseas	Seed	Early	Middle	Later
Creation and Recognition of Role Models	 J-Startup: Startup Development Support Program J-Startup Impact: Impact Startup Support Program Nippon Startup Awards 	V V V	⊘) } }
Support for human resource development	J-StarX (Entrepreneur fostering and overseas dispatch program)	0	▽))	
	5 Startup Visa 6 Stock Option Tax Rules	Ø	<u> </u>		<u> </u>	<u> </u>	
Fund Provisioning	 7 Startup Support from Japan Investment Corporation 8 Global Startup Growth Investment Program/LP investment by Organization for SME and Regional Innovation 	⊘	⊘)))))
	MOMENT 2023 (Startup event inviting world-class VCs)	•	Ø))	
	Tax Incentive for Angel Investors and Entrepreneurs (Angel investment)	•	\odot				
development, etc.	1 Deep Tech Startup Support Program	•	lacksquare				
	12 Strengthening Program for Pharmaceutical Startup Ecosystem	⊘	⊘				
	13 Deep Tech Startups Support Program in GX Area	Ø	✓)
	The Global South Future-Oriented Co-Creation Project	\bigcirc	⊘)
Overseas Expansion Support	15 Japan Innovation Campus	\bigcirc	lacksquare))
	VIVA TECHNOLOGY Country of the Year 2024	\bigcirc	Ø				
	Global Startup EXPO 2025	Ø	Ø)		ļ
	18 Global Acceleration Hub	 ✓	lacksquare				



1 J-Startup: Startup Development Support Program





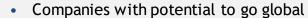
J-Startup, a program to provide intensive support through public-private partnerships to the selected companies with potential to go global

Purpose

Create startups that are globally active



Target



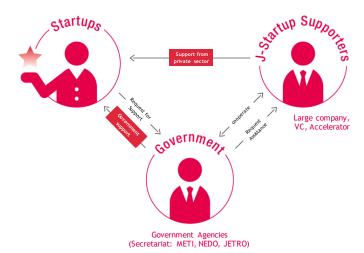


Selected 243 companies over five years since 2018

Details



Implemented preferential treatment in various subsidies and govt procurement, and initiatives such as collaboration with "J-Startup Supporters", a private company



E.g. of government support

- Participation in government missions abroad
- Support for exhibition at global events around the world
- Use of J-Startup logo
- Support under Global Acceleration Hubs
- Preferential treatment in various subsidies and other support measures
- Business matching
- Support for public procurement, incl. special case for bidding
- · Consultation regarding reformation of regulations

E.g. of private sector support

- Business space offering and preferential rates (Office/factory vacant space, training facilities, etc.)
- Cooperation in demo experiments using robots, products/parts
- Provision of verification environment and analysis equipment
- Acceleration and manufacturing support
- Advice by experts and personnel with expertise
- Intro to clients, affiliated companies, etc.

Related URL: J-Startup official website



2 J-Startup Impact: Impact Startup Support Program





Program to select and play up startups expected to serve as role models for impact startups, and to provide intensive support through public-private partnership

Purpose



Raise awareness and build support momentum for impact startups

Target



- Companies that are expected to become role models for impact startups (companies that aim to solve social/environmental issues, realize new visions, and achieve sustainable economic growth together)
 - Already selected 30 coms as "J-Startup Impact" companies

Details



In addition to the support under "J-Startup" program, promote the use of expert consultation service, and provide domestic and int'l communications / PR support to the selected companies

Selected coms in 2023































































3 Nippon Startup Awards



Awards by the Prime Minister and other ministers for entrepreneurs and startups serving as a role model

Purpose



 Raise awareness of entrepreneurship in society as a whole

Target



Entrepreneurs and startups that have created impactful new businesses that can become role models for young people etc.

Details



- Awarded directly by the Prime Minister at the Prime Minister's Office
- "Nippon Startup awards 2023" selected as follows
 - Prime Minister's Award (Nippon Startup Awards): SmartNews, Inc.
 - METI Minister's award: Gojo and Company, Inc. / MeetsMore Inc.
 - MAFF Minister's award: vivid garden Inc.
 - MEXT minister's award: Microwave Chemical Co., Ltd.
 - MHLW Minister's award: Miraio Inc.
 - MLIT Minister's award: ANDPAD Inc.
 - Special Jury awards: ispace, inc. / CureApp, Inc. / Tsubota Laboratory Incorporated







4 J-StarX (Entrepreneur fostering and overseas dispatch program)





J-StarX, a program to dispatch young entrepreneurs and students to startup ecosystems in Europe, the U.S. and Asia

Purpose



To produce entrepreneurs who are active on the global stage, provide seminars and mentoring programs in cooperation with VCs, entrepreneurs, univs, and support orgs, and also support the formation of networks useful for startup/overseas expansion

Target



Entrepreneurs/managers, and employees at each stage (seed, early, middle, and later)

Details



- Provide mentoring from venture capitalists and accelerators and networking opportunities with local key players such as investors and supporters to encourage Japanese entrepreneurs/startups to take on the challenge
- Radically expanded the "Sido Next Innovator" that has been in place since 2015. dispatched a total of 370 pax. to the U.S., U.K., France, India, Singapore, Indonesia, etc.
 - Aim to dispatch 1,000 people in five years staring in FY2023



Related URL: https://i-starx.ip/

5 Startup Visa



Visa for foreign entrepreneurs to enter and stay for up to one year until they receive a Business Manager Visa

Local governments and private organizations approved by Minister of Economy, Trade and Industry can support the visa issuance.

Purpose



 Attract excellent foreign entrepreneurs through support for startup preparation activities in Japan

Target

Foreign entrepreneurs

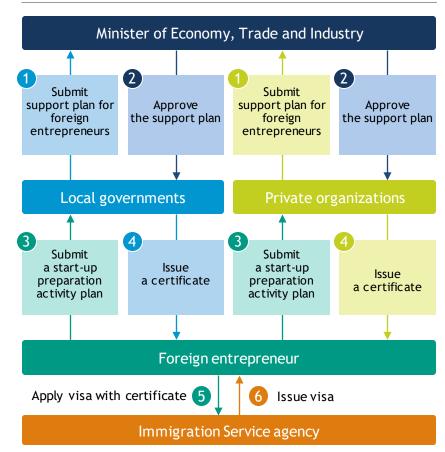


Details



- Support startup preparation activities in Japan by allowing entrepreneurs to enter and stay for up to one year until they meet the requirements of Business Manager Visa.
 - Planned to extend the maximum period of stay to two years
 - Not only local governments, but also private organizations such as venture capitals and accelerators approved by METI Minister also began to support visa from October 2023

Scheme/requirements



Approved local governments etc. (18 organizations in total as of January 2024)

Fukuoka-city, Aichi-pref, Gifu-pref, Kobe-city, Osaka-city, Mie-pref, Hokkaido, Sendai-city, Yokohama-city, Ibaraki-pref, Niigata-pref, Oita-pref, Kyoto-pref, Hyogo-pref, Shibuya-ward, Hamamatsu-city, Kaga-city, Toyama-pref





The stock option tax rules is a scheme that ease the excise of stock options by deferring taxation until the shares are sold as capital gain

Purpose



To attract prospective employees to startups & motivate employees

Target

Directors & Employees

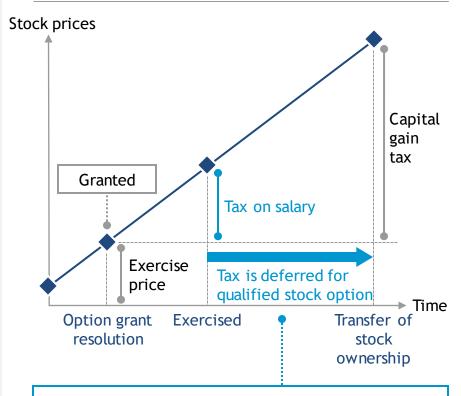


Details



- Deferring taxation until the shares are sold and only Capital gain tax (flat rate of 20.315%) is imposed; non Qualified stock option is imposed Tax on salary (progressive tax rate of up to 55%)
- In the 2024 tax reform, the following efforts were made to ease the excise of stock options
 - Tripling annual exercise price up to 36 million yen
 - Establishment of a share management scheme by companies issuing stock options
 - Easement of the grant requirements and certification procedures for external talent

Schemes & requirements



Qualified stock option



- Tax at the time of exercise of right is deferred until the time of transfer of stock ownership
- Tax is imposed as capital gain

Related URL: https://www.meti.go.jp/policy/newbusiness/stock-option.html



Startup Support from Japan Investment Corporation



Startup support from the standpoint of public-private funds that provide LP investment to private VC

Purpose



· Secure funds and talents to create a virtuous cycle of risk money

Strengthen ties with domestic VCs and startups

Target



(Mainly LP investments in private VC)

Details



- Established a second fund in January 2023, managed by Venture Growth Investments (VGI), a subsidiary of Japan Investment Corporation (JIC) (Fund size 200B ven)
- In addition, established JIC VGI Opportunity Fund No. 1 (40B yen) in September 2023 to provide funding mainly for secondary market and listed startups
- Also, JIC invested in overseas VCs to strengthen ties with domestic VCs and startups, etc.

	Number of investment	Investment s amount
JIC VGF No.1	47	75.34B yen
JIC VGF No.2	9	4.44B yen
JIC VGI Opportunity Fund (As of Dec 2023)	2	About 12B yen
	Number of funds	Capital commitments
LP investment from JIC to private VCs (As of Dec 20, 2023)	32	134 . 9B yen

Related URL: JIC VGI

Source: Japan Investment Corporation press conference materials (Dec 20, 2023)

8

Global Startup Growth Investment Program/LP Investment by Organization for SME and Regional Innovation



Make LP investments in VCs to promote startups of SMEs, new business developments, etc.

Purpose



Promote supply of funds to domestic risk money market (as catalyst)

Target



 (Investment in global venture capital (VC) funds, etc., in Japan and overseas that have financial strength and overseas development know-how)

Details



- Establish a business to invest in global VC funds in Japan and overseas that have financial strength and overseas development know-how in FY2022 supplementary budget
 - In March 2023, we began publicly recruiting fund managers and have already concluded a partnership agreement to invest in one company. In addition, a fund of funds (FoF) operator was selected in March and a limited partnership agreement was concluded in July 2023.

Investment results of venture-type funds

- Number of investees 229 funds
- Capital commitments 289.8B yen

Results of investee venture-type funds

Investment amount 629.2B yen

Companies invested 5,697

Number of IPO 302

*As of the end of FY2022

Market cap over 100B yen

















































Logos are from each company's website

and more...





"MOMENT 2023" was held as a startup event inviting world-leading VCs (Hosted by: METI)

Purpose



- Provide world-class viewpoint, new insights, and networking opportunities for startups and VCs in Japan
- Deepen understanding of Japan's startup ecosystem from world's leading VCs
- Thru the above, activate foreign investment in Japan and globalize Japan's startup ecosystem

Target



• Startups and entrepreneurs in Japan, etc.

Details



- More than 2,000 people attended the two-day events held on October 10 and 11, 2023 both on-site and via online broadcast
 - Main speakers
 - Ben Horowitz
 (Andreessen Horowitz)
 - Gen Isayama (WiL)
 - Jeff Wang (Sequoia)





10 Tax Incentive for Angel Investors and Entrepreneurs



The tax incentive for angel investors allows startup investors to receive a tax incentivizes when investing in stocks and selling the stocks

Purpose



To promote investment in startups by providing tax incentives to individual investors

Target



Entrepreneurs

Individual investors

Details



- The FY2023 Tax Reform Act introduced a tax exemption incentives when capital gain is reinvested in startups
- From FY 2024, investors can also use this tax treatment for investing in stock acquisition rights and buying stocks through a certain type of trust

Schemes & requirements

At the time of investment One of the following incentives is available incentive A

Angel investing

- (Investment amount 2,000 yen) is deducted from gross income of the investment year and deferred from taxation
- The maximum deduction is either 8 million yen or 40% of gross income

Tax incentive B

- Investment amount is deducted from capital gain of the investment year and deferred from taxation
- No maximum deduction limit

for pre-seed & seed investment

- Tax exemption Investment amount is deducted and exempted from capitalgain of the investment year
 - No maximum deduction limit (Limit of exemption is 2) billion ven)

At the

time

9 sale

of capital

ex emption

- Investment amount is deducted and exempted from capitalgain of the investment year
- No maximum deduction limit (Limit of exemption is 2 billion yen)



Losses on investments can offset capital gains in the year of loss (Losses can be carried forward for 3 years)

11 Deep Tech Startup Support Program



Project to subsidize R&D of deep tech startups for up to 6 years & 3 billion yen (budgeted amount 100B yen)

Purpose



- Significantly promote investment in startups and the creation of unicorns in the deep tech sector
- Accelerate the business growth of deep tech startups and the establishment, commercialization, and social implementation of their innovative techs, with a view to global market, and the creation of new value-added associated with these techs

Target



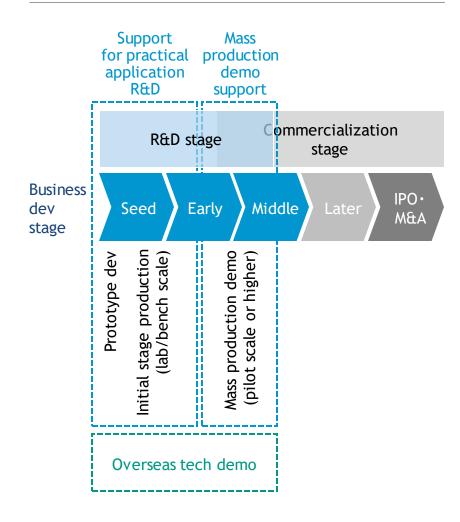
Deep tech startup

Details



 Support R&D for practical use, mass production/ overseas tech demos, etc., from a long-term perspective by incorporating cooperation with VCs and the use of stage-gate audits into the system

Scheme



12 Strengthening Program for Pharmaceutical Startup Ecosystem



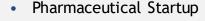
Project to provide subsidies to pharmaceutical startups for development of pharmaceutical products for practical use (budgeted amount 350B yen)

Purpose



- Achieve sufficient sales and growth of pharmaceutical startups
- Support commercialization in internal/external markets

Target



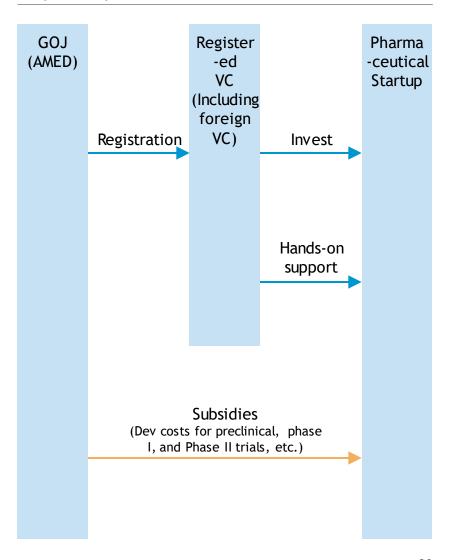


Details



- Project subsided by Japan Agency for Medical Research and Dev (AMED) for the dev of drugs for practical use by pharmaceutical startups, in which more than 1/3 of the subsidized costs are funded by registered VCs providing hands-on commercialization support specialized in drug discovery
- In particular, AMED supports pharmaceutical startups actively in their plans to commercialize in overseas markets in addition to Japan in order to achieve sufficient sales and growth
- For pharmaceutical startup, selected 11 companies in the past 3 rounds of public solicitation, and plan to conduct public solicitations on a periodic basis in the future. For registered VC, selected 23 coms in the past 3 rounds of public solicitation (including overseas VCs)

Project Implementation Structure



13 Deep Tech Startups Support Program in GX Area



Multi-year support for startups and business growth in the GX area, from the pre-startup stage to the scaling stage, including R&D and capital investment (budgeted at 41 billion yen)

Purpose



To support R&D of innovative technologies in the GX area that may also contribute to solving economic and social issues that our country and the world as a whole should address

Target



Entrepreneurs & directors

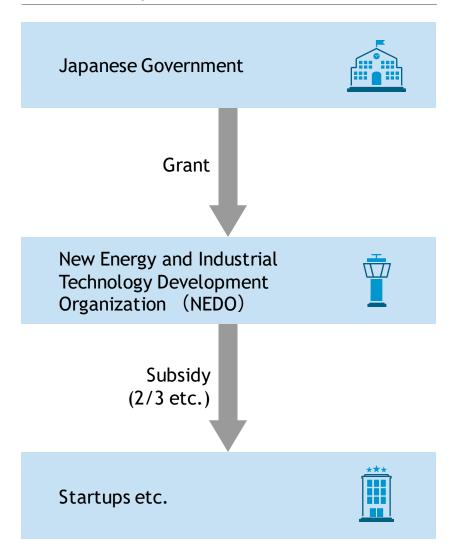
Deep tech startups, etc. in the GX area with many challenges in developing their technology & business

Details



- Support for deep tech startups in the GX area that are engaged in developing innovative technologies that require long-term R&D and significant investment to commercialize and implement it in society to contribute to solving economic and social issues that should be addressed by our country and the world as a whole, despite the high risk involved
 - Long-term support for R&D for practical application, demonstration for mass production, and overseas technology demonstration by incorporating collaboration with VCs, businesses and the use of stage-gate assessment into the system

Schemes & requirements



14 The Global South Future-Oriented Co-Creation



Support for feasibility studies (FS) and pilot demonstrations for commercialization of overseas projects of Japanese startups in Global South countries

Purpose

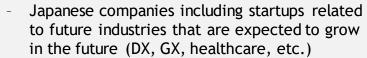


To promote the overseas expansion of Japanese companies, including startups, in Global South countries by leveraging their mutual strengths with local companies

Target



Operating company

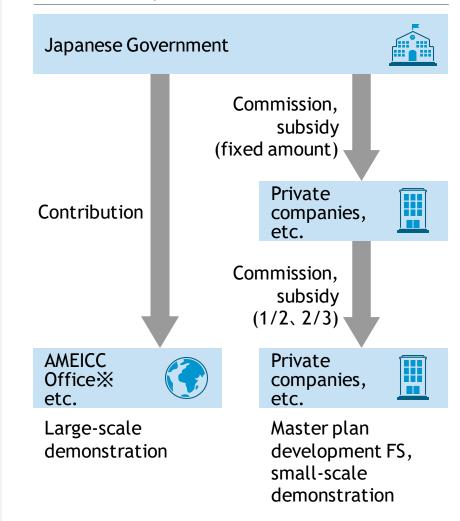


Details



- Support for Japanese companies, including startups, to expand overseas in the Global South countries, while leveraging their mutual strengths with local companies, with a view to reverse innovation in Japan
- Support for feasibility studies (FS) and pilot demonstrations for commercialization of overseas projects in future industries (DX, GX, healthcare, etc.) that are expected to grow in the future
 - FS: Up to JPY 100M/project
 - Minor pilot demonstrations: Up to JPY 500M/ project
 - Major pilot demonstrations: From JPY 500M to 4B/project

Schemes & requirements



** AMEICC: Japan-ASEAN Economic and Industrial Cooperation Committee

15 Japan Innovation Campus



"Japan Innovation Campus", a startup support hub established in Silicon Valley in the U.S.

Purpose



 Establish a hub of startup ecosystems in Japan and the U.S./overseas

Target



• Startups, Entrepreneurs, Local VCs, accelerators, universities, etc.

Details



- Japan Innovation Campus is an innovation hub in Silicon Valley established by METI in November 2023
- Support for Japanese startups aiming to expand overseas in collaboration with local VCs, accelerators, and industry-academia-govt, incl. world-class universities
- ADDRESS: 212-214 Homer Ave, Palo Alto, CA 94301





Related URL: Japan Innovation Campus HP

16 VIVA TECHNOLOGY Country of the Year 2024





Japan Pavilion to be exhibited as a "Country of the Year" at VIVA TECHNOLOGY 2024

Purpose



Share knowledge and explore paths to the future by bringing together companies and startups leading innovation, accelerate startup investment from international investors

Target



- J-Startup selected companies, other Japanese startups, etc.
 - 36 startups and 6 large coms will exhibit

Details



- "VIVA TECHNOLOGY" is one of the world's top-class tech events that gathers major companies promoting open innovation worldwide, such as Google and LVMH group, leading startups from each country, and key persons in innovation, under the strong support of the French government, with the French president taking the stage every year
- Japan Pavilion will be located in the area that attracts the most visitors (exhibition area will be approx. 10 times larger than in 2023), and PR will be possible through the official website, which is expected to be viewed more than 6 billion times



Related URL: JETRO WEB site

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17 Global Startup EXPO 2025



GSE 2025 aims to communicate the role and importance of promising startups and ecosystems in solving global issues

Purpose



- Communicating the followings to the World through Dialogue/Exchange
 - the role and importance of startups
 - Potential for creating startups in Japan (especially Kansai region)

Target



- Startups
- VCs etc.

Details



- GSE2025 will be held as part of the EXPO 2025 Osaka-Kansai on September 17 and 18, 2025, and will gather startups and related organizations from Japan and around the world.
- Following sessions will be held to promote dialogue and exchange among the participants.
 - **Exhibitions**
 - Pitch events
 - Talk sessions by VCs and others

Global Issues



- Climate change
- Infectious Diseases
- Food problems
- Resources/Energy
- Medical/Health
- Population issues etc.

Startups



- Generative Al
- Nuclear fusion
- Genome Editing
- New Materials
- Drug discovery technology
- Robotics etc.

Global Startup EXPO 2025

Dates	September 17 and 18, 2025
Location	EXPO Messe (WASSE), Osaka, Japan
Contents	Talk sessions, pitch events, booth exhibitions, etc.
Exhibitions	150 startups
Attendance target	10,000 people
Organizer	Ministry of Economy, Trade and Industry

18 Global Acceleration Hub





Provide services such as briefings, mentoring, introductions to local partners/VCs, etc., and co-working space free of charge for startups seeking to expand overseas or raise funds overseas

Purpose



• To support global expansion of Japanese startups by partnering with local leading accelerators, etc.

Target



- Entrepreneurs / managers
- Employees

Details



- Japan External Trade Organization (JETRO) operates "Global Acceleration Hub" in 30 cities around the world in partnership with local accelerators
- For startups seeking to expand overseas or raise funds overseas, JETRO provides services such as briefings, mentoring, introductions to local partners /VCs, etc., as well as co-working spaces, etc., free of charge
- Used by more than 900 companies annually, with approximately 1,600 mentoring cases and approximately 800 matching events (FY2023)



Supporting business in North America, South America, Asia, Europe, the Middle East, Africa, and Oceania





