



Encouraging Start-ups & MSMEs in Space Sector

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Space Economy and Ecosystem: Indian Scenario

Global Space Economy

447 Billion
USD
2020

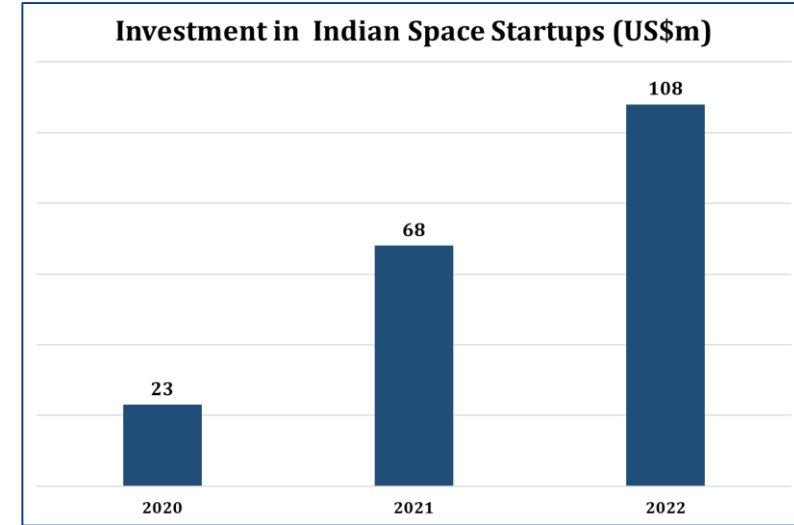
600 Billion USD
2025

Indian Space Economy

9.6 Billion
USD
2020

13 Billion USD
2025

Investment in Indian Space Startups (US\$m)

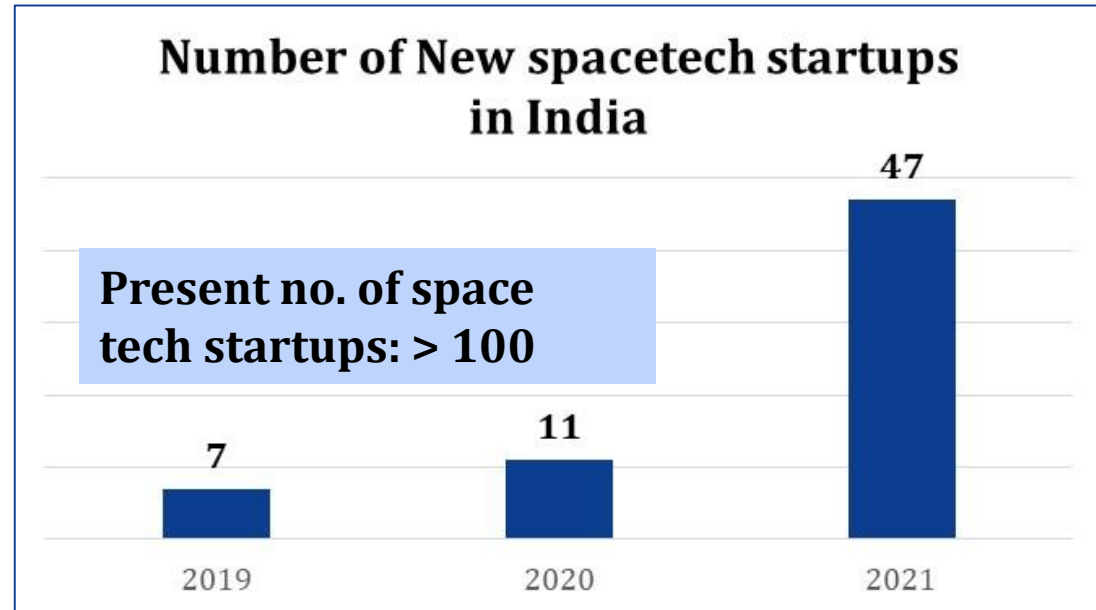


Indian Space Segments

	Upstream	Downstream
2020	2.67 Billion USD	6.9 Billion USD
2025	4.24 Billion USD	8.6 Billion USD

Source: EY report in Oct 2022

Number of New spacetech startups in India



No. of space tech companies (Space-tech Report 2021)

USA: 5500. UK: 3000

India fifth largest: 368

Space Sector Reforms by Govt. of India

1

Unlocking of Space Sector to enable end-to-end activities in the space domain by NGEs announced by GOI in June 2020

2

Creation of IN-SPACE to drive participation of Private Sector in Space

3

Indian Space Policy 2022 in final stages

4

FDI Policy for Space Sector being revised

5

Space Activities Bill(Act) for space sector being worked upon

IN-SPACe : Cornerstone of Space Reforms In India



PROMOTER

ENABLER

AUTHORIZER

SUPERVISOR

- ❖ Enabling release of the Integrated Indian Space Policy by Government.
- ❖ Enabling liberalization of the FDI policy in Space Sector.
- ❖ Differential pricing policy being considered to certain category of NGEs – ISRO Test facility usage, Technology Transfer Fees, Earth Observation data of ISRO Satellites & data products, etc.
- ❖ Technical Centre being established in Ahmedabad to support design & development of space system products by NGEs.
- ❖ Exploring establishing plug & play space systems/satellites manufacturing parks in collaboration with state governments
- ❖ Exploring setting up of Grant of Seed Fund to start-ups in the nascent stage
- ❖ Providing Mentorship support and
- ❖ Defining Space Industry Standards
- ❖ Conducting Workshops/symposiums/Industry meet

- More than 100 NGEs have approached IN-SPACe seeking technical support, authorization, mentorship, etc.
- 20 MoUs and 10 Joint Project Implementation Plans signed with NGEs.
- 05 Authorizations for launch of rockets and satellites issued by IN-SPACe.

Sl No	Category of Applications Received	
1	Satellite	70
2	Launch Vehicle	31
3	Applications	17
4	Ground Segment	8
5	Promotion (Mentoring, etc)	21
6	Others	15
	Total	162

Category of NGEs	
Start-up	55
MSME	09
Industry	26
Academia	17
Individual	2
Information sought	10
Total	119

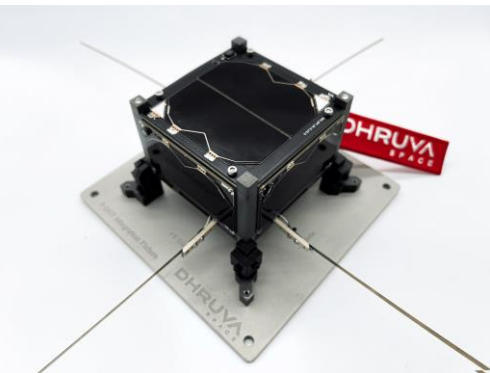


The maiden launch of sub-orbital launch by a Start-Up carried out on November 18, 2022.

IN-SPACE facilitated the launch of Vikram-S by M/s. Skyroot Aerospace Pt Ltd., with the support of ISRO.



A private launchpad and mission control center established within the ISRO campus for the first time by M/s. Agnikul Cosmos Pvt Ltd. Sub-orbital launch by Agnikul scheduled shortly



Thybolt-1 & 2 Satellite realized by M/s. Dhruva Space Pvt Ltd., Hyderabad was launched onboard PSLV-C54

Institutional
Support and
Policy

Financial
Capability

State-of-the-
art
Technology

Ecosystem/
Infrastructure

Global
Partnership

Skill
Development

- ❖ Huge opportunity exists to increase India's share in global economy.
- ❖ India's strength in IT & ITES sector can be leveraged to develop unique solutions in downstream segment.
- ❖ Support of ISRO & IN-SPACE shall be fully extended to the nascent space sector to make India as space systems manufacturing hub.
- ❖ Start-ups & MSMEs are encouraged to develop disruptive technologies to come up with cost effective space based applications.



Thank You

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For more information on IN-SPACe, connect with us at <https://www.inspace.gov.in/>