

INTERNATIONAL SEMINAR ON

Make in India for Space and Geospatial Sectors

30th September 2024 / Taj Mahal Hotel, Man Singh Road, New Delhi

Co-Organisers



GEOSPATIAL
WORLD
ADVANCING KNOWLEDGE FOR SUSTAINABILITY

Organiser



Overview of 'Make in India' Initiative

India is on a transformative journey powered by science, technology, and industrial innovation, supported by key policy reforms and initiatives. Launched in 2014 by Prime Minister Narendra Modi, the "Make in India" initiative is built on four pillars: **New Mindset, New Sectors, New Infrastructure, and New Processes**. It aims to inspire confidence, provide comprehensive frameworks, and engage audiences globally.

The main goals are to boost manufacturing growth by 12–14% annually, create 100 million jobs by 2022, and raise the sector's GDP contribution to 25% by 2025. "Make in India" has spurred investment, innovation, and skill development, while opening key sectors like defence, railways, and space to higher levels of Foreign Direct Investment. Six industrial corridors are under development, and the initiative has strengthened India's global economic credibility, setting the nation on a path to becoming a major global economy.

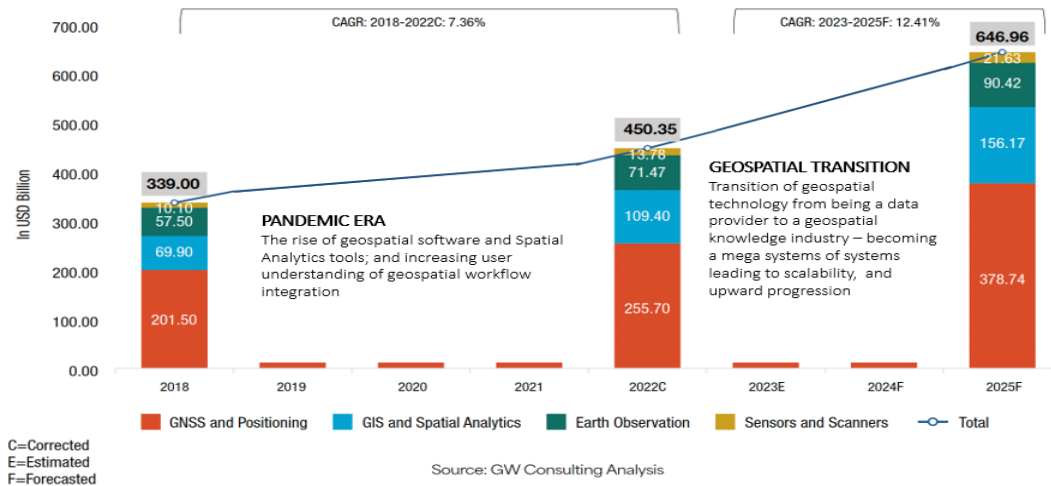
Rationale and Context: 'Make in India' in Space and Geospatial Sectors

Global Geospatial Industry and Economy (Including GNSS and EOS)

The geospatial industry is emerging as a major opportunity for technology companies, both as a growing market and as a tool to enhance mainstream industries like IT and engineering. It will play a crucial role in data infrastructure, integrating a "geospatial by default" approach in digital twin and metaverse technologies, impacting how we interact with the physical and digital world in near-real-time. Valued at \$452 billion in 2022, the global geospatial market is projected to reach \$646 - \$681 billion by 2025, growing at a 12.41% CAGR -14.61% CAGR. Post-2025, it is expected to accelerate at 16.1% CAGR, reaching \$1.44 trillion by 2030. This growth is driven by technological innovation, policy reforms, and increased investments in geospatial infrastructure worldwide.

India is one of the largest markets for Geospatial and Space industries contributing immensely towards development of solutions and services. Although it is difficult to measure the size of exports and imports, primarily due to embedded nature of space and geospatial applications, conservative estimates are very encouraging.

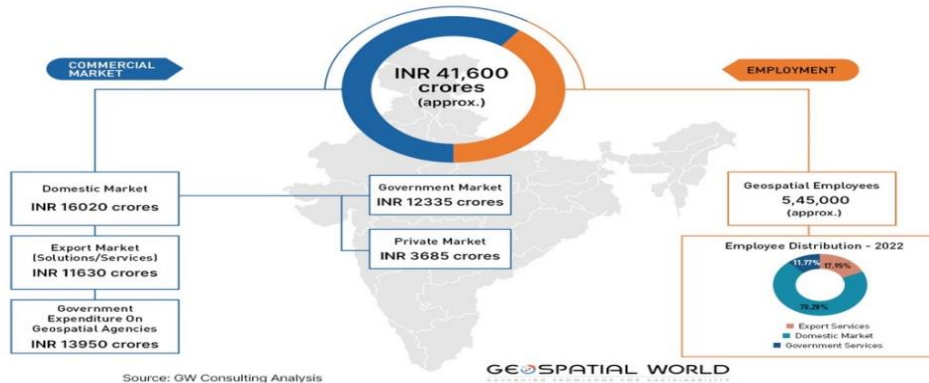
Global Geospatial Market Size and Forecast: 2018-2025



Geospatial and Space industries, serve as foundation for digital infrastructure and economy, have been recognised as enabling and driving force towards our mission of self-reliant India towards the 'Make in India' initiative. These sectors have been identified as sunrise industries, offering huge growth potential in themselves as well as their enabling contribution towards India's vision of 10 trillion economy by 2030.

Indian Geospatial Economy 2022

Galloping towards an Economic Impact of 2.16 lakh crore!

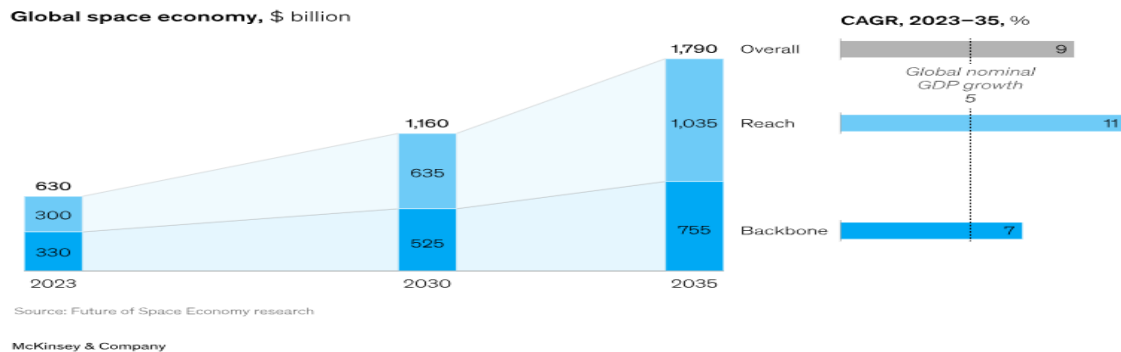


Overall geospatial economy of India was estimated to be about US\$ 5 billion in 2021 including US\$ 1.6 billion worth of export of geospatial services. Ongoing policy reforms in the space, geospatial, and drone sectors, duly supported by strengthening of international cooperation and alignment with evolving world order, is likely to make significant impact on growth momentum and Indian geospatial market and economy is likely to grow at amazing rate, making it the one of fastest emerging technology industry.

India's Space Economy through 'Make in India': A Pathway to Global Dominance

According to a report by the World Economic Forum and McKinsey, the global space economy, valued at \$630 billion in 2023, is expected to grow at 9% per annum, reaching \$1.8 trillion by 2035. This growth will be driven by the increasing need for connectivity, positioning, navigation

services, and AI-powered insights, all of which are benefiting a diverse set of industries, from agriculture to transportation. India's space economy, valued at \$8.4 billion in 2023, is poised to grow to \$44 billion by 2033, driven by space-tech start-ups and Non-Government Entities (NGEs). The "Make in India" initiative aims to further boost this growth by fostering innovation, attracting Foreign Direct Investment (FDI), and encouraging global industry integration. Liberalization of the space sector have stimulated private sector involvement. supporting the entire value chain from R&D to services.



Software Development and Solutioning: A Catalyst for Employment under 'Make in India'

The "Make in India" initiative is increasingly powered by the software development and solutioning sectors within the space and geospatial industries. These sectors, leveraging satellite technology and geospatial data, are driving advancements in areas like national security, resource management, and urban planning. The growth of start-ups in this space, supported by initiatives like Start-up India, is creating significant employment opportunities for software engineers, data scientists, and geospatial analysts, particularly in tier-2 and tier-3 cities. India's global competitiveness in software solutions, especially in satellite data analysis and GIS, is positioning the country as a leader in these domains. With a focus on innovation, public-private partnerships, skill development, and investment in high-tech infrastructure, the sector is poised to contribute substantially to economic growth while addressing societal challenges and fostering sustainable development.

Trade and Commerce

Over the past decade, the space and geospatial industries have gained significant attention from global leaders, driven by government support through incubation, strategic financing, and trade missions. Policy reforms in India, particularly under the "Make in India" initiative, have accelerated trade and commerce in these sectors, promoting FDI and technology transfer. Indian geospatial services exports, valued at \$1.6 billion in 2021, are expected to grow rapidly due to these reforms. The sector is projected to reach \$1 trillion by 2030, positioning India as a global leader in space and geospatial technologies. International cooperation, technology transfers, and ease of doing business are now central to industry growth.

Make in India for Space and Geospatial Sectors

In this context, Geospatial World Chamber of Commerce (GWCC) in association with PHDCCI and Geospatial World as Co-Organiser is organising an International Seminar on 'Make in India for Space and Geospatial Sectors' in association with Geospatial World (GW) on the afternoon of

30th September, 2024 followed by a social networking session and dinner reception hosted by Geospatial World (GW). The seminar will highlight India's pivotal role on the global stage in these sectors, explore the vast opportunities presented by the 'Make in India' initiative, and feature panel discussions focused on overcoming challenges and attracting Foreign Direct Investment (FDI) in the manufacturing, software and hardware segments.

Session Topics

- Make in India for Geospatial & Space Industry: An Overview
- Make in India: Transforming the Geospatial and Space Ecosystem for National Development
- Unlocking Growth in India's Space Sector: Upstream and Downstream Opportunities
- Opportunities for Geospatial Technologies under Make in India: Hardware & Software
- Expanding Geospatial & Space Sector Value Proposition Domestically and Globally

About Geospatial World Chamber of Commerce (GWCC)

GWCC, a not-for-profit industry body founded by Geospatial World, aims to advance global trade in the space and geospatial industries, with a focus on promoting India's leadership. Through trade missions, summits, and policy advocacy, GWCC fosters collaboration, investment, and growth in these sectors. This seminar plays a pivotal role in driving GWCC's mission.

Geospatial World Chamber of Commerce Corporate Office

A-145, Sector 63, Noida – 201301 (UP), India

Tel: +91-120-4612500

For more information, contact us at – info@gwcc.in | www.gwcc.in