

1

INDIA AS A GLOBAL SATCOM HUB™

A STRATEGIC ROADMAP FOR TRUSTED SPACE LEADERSHIP

Building the World's Most Trusted
Satellite Communications Ecosystem by 2035

“The future global leaders in satellite communications will not be defined by the number of satellites they launch, but by the strength of the ecosystems they build.”

Dr. (Hon.) Govind Pathak

Author | Telecom Strategist | AI Infrastructure Thinker



CONNECTIVITY

Connecting the Unconnected



COVERAGE

Anywhere, Anytime



TRUST

Secure. Resilient. Reliable.



GROWTH

Enabling Digital Economy



PARTNERSHIPS

Global Collaboration



LEADERSHIP

India for the World

STRONGER POLICY • ADVANCED INDUSTRY • DISRUPTIVE INNOVATION • GLOBAL PARTNERSHIPS • TRUSTED INFRASTRUCTURE

WHY INDIA?

SIX STRATEGIC ADVANTAGES



India possesses one of the world's strongest foundations for becoming a **Global SatCom Hub**.

THE GLOBAL SATCOM OPPORTUNITY

From Connectivity to Digital Economic Infrastructure



Satellite communications are no longer a standalone industry.
They are becoming part of critical digital infrastructure
and the digital economy.

”

4

INDIA'S SATCOM LEADERSHIP FRAMEWORK™

Five Pillars for Global Leadership

1



POLICY LEADERSHIP

- Spectrum certainty
- Simplified licensing
- Ease of doing business
- Investment confidence

2



INDUSTRIAL LEADERSHIP

- Satellite manufacturing
- Ground equipment
- Electronics & supply chain
- Exports and scale

3



INNOVATION LEADERSHIP

- AI, ML and automation
- NTN, 6G and beyond
- Digital twins & simulation
- Quantum readiness

4



GLOBAL PARTNERSHIP LEADERSHIP

- International operators
- Academia & R&D
- Standards bodies
- Investment & collaboration

5



TRUSTED INFRASTRUCTURE LEADERSHIP

- Cybersecurity & resilience
- Governance & compliance
- Interoperability & standards
- Digital trust & sovereignty



India's competitive advantage will come from integrating all **five pillars** into one national strategy.

5

FROM GLOBAL SATCOM HUB TO TRUSTED SPACE INFRASTRUCTURE HUB™

GLOBAL SATCOM HUB



CONNECTIVITY

Expanding access
and coverage

TRUSTED SPACE
INFRASTRUCTURE HUB™



Economic Growth



National Security



AI & Innovation



Digital Public
Infrastructure

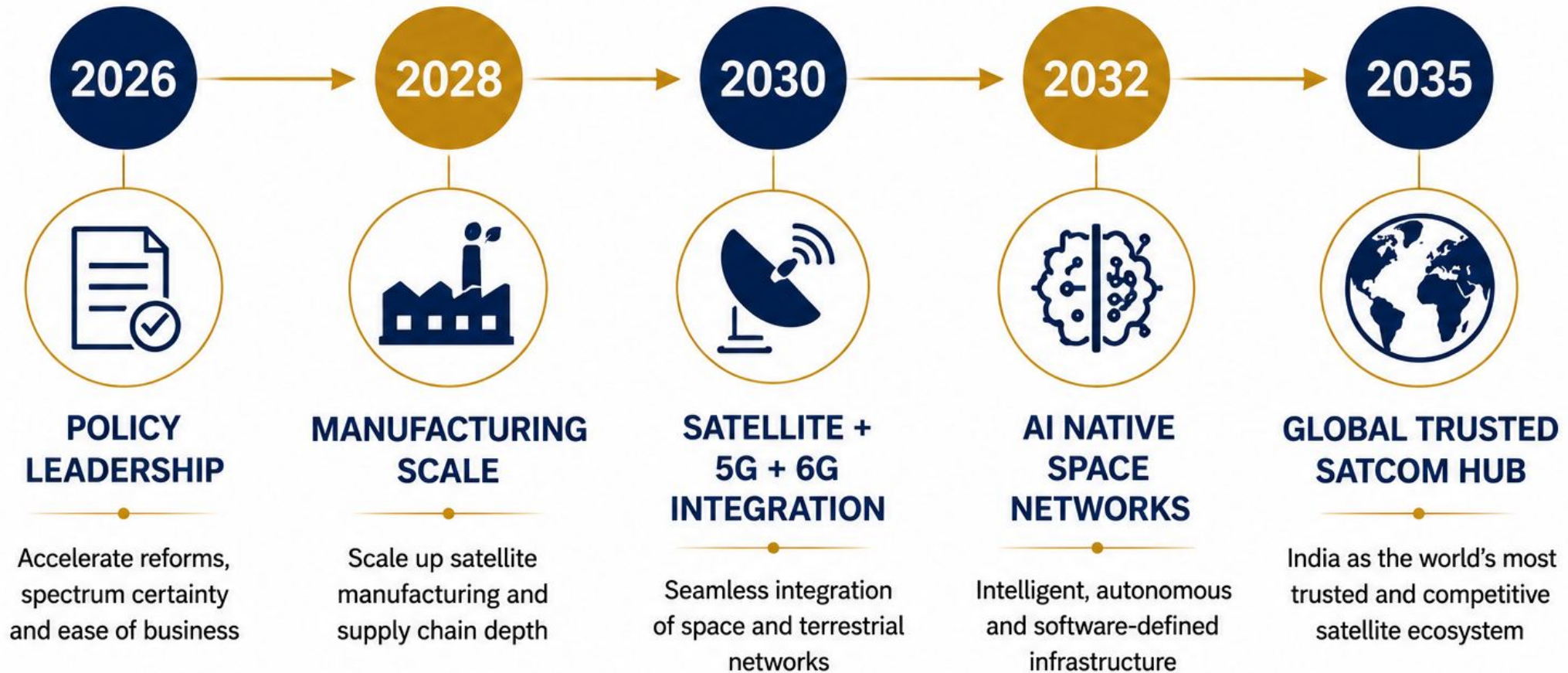


Global Leadership



Technology creates capability.
Trust creates competitiveness.

INDIA 2035: ROADMAP TO GLOBAL SATCOM LEADERSHIP



India should aspire not only to become a Global SatCom Hub.
**India should become the world's most trusted
satellite communications ecosystem.**

Lead. Define. Trust.



Lead in Policy

Set global benchmarks for spectrum governance and satellite licensing



Lead in Manufacturing

Build India as the world's preferred satellite production and export hub



Lead in Innovation

Pioneer AI-native networks, NTN integration and 6G-satellite convergence



Lead in Global Partnerships

Shape international standards and anchor multilateral space cooperation



Lead in Trust

Build the sovereign, resilient and interoperable infrastructure the world will rely on

“India has the opportunity not just to participate in the global space economy, but to help **define it**. Our greatest competitive advantage will not be the satellites we launch — it will be the **trusted ecosystem we build.**”

— Dr. (Hon.) Govind Pathak



INDIA ORBITAL INTELLIGENCE FRAMEWORK™

Powering Viksit Bharat 2047 through Space, AI and 6G Convergence

From Connectivity to Intelligence • From Infrastructure to Impact

ISPC
2026

The 3rd India Space
Policy Conference •

22-23 July 2026 | New Delhi, India

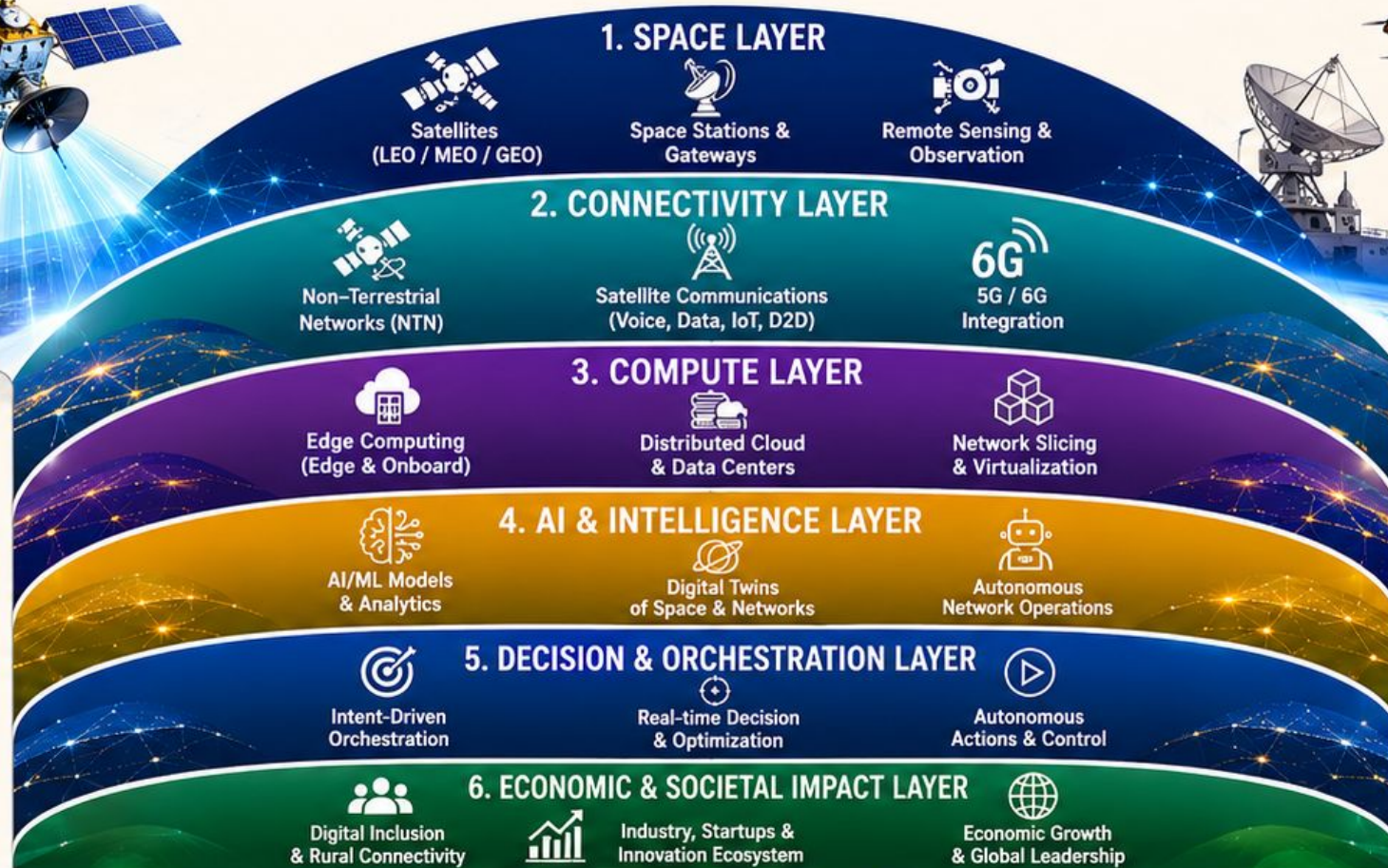
5G | 6G

INDIA CONTEXT & ENABLERS

- Indian Space Policy 2025 – Vision to Action
- Progressive Spectrum & Licensing Reforms
- Public-Private Partnerships & Global Collaborations
- Investment, Manufacturing & Atmanirbhar Bharat
- Talent, R&D and Innovation Leadership
- Standards, Security & Global Cooperation

OUTCOMES FOR INDIA

- Universal Connectivity Everywhere in India
- New Industries, Jobs & Innovation Economy
- Secure, Resilient and Sovereign Infrastructure
- Sustainable Development & Inclusive Growth
- Strengthened National Security & Strategic Autonomy
- India as a Global Hub for Space & Satcom Excellence



FOUNDATION PILLARS

- Policy & Regulatory Excellence
- Spectrum & Orbital Resource Management
- Cybersecurity & Digital Trust
- Data Governance & Privacy
- Standards & Interoperability
- Sustainability & Responsible Innovation
- Ethical AI & Human Centricity

Dr. (Hon.) Govind Pathak

Author, Technologist, and System Thinker