



India's First Earth Observation Satellite Constellation

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India is set to launch its **first fully indigenous commercial earth observation (EO) satellite constellation**, led by a private consortium under a **public-private partnership model**.

- Bengaluru-based **PixxelSpace-led consortium** has been selected by [Indian National Space Promotion and Authorisation Centre \(IN-SPACe\)](#) to build and operate India's first EO satellite constellation.
 - The consortium will build 12 satellites over five years, and launch, operate them, develop ground infrastructure, and commercialise the data.
 - The constellation will include a variety of satellites with high resolution, wide coverage, including [Synthetic Aperture Radar \(SAR\)](#) and [hyper-spectral satellites](#).
- Developed satellites will provide **Analysis Ready Data (ARD)** and **Value-Added Services (VAS)** for climate change monitoring, disaster management, agriculture, infrastructure, marine surveillance, national security, urban planning and meet global demand for **geospatial intelligence**.
 - This initiative ensures **data sovereignty** and reduces dependence on **foreign satellite data**.
- **IN-SPACe**: It is a **single-window, independent, nodal agency** under the **Department of Space** that enables and regulates private sector participation in satellites, launch vehicles, and space services, acting as a link between [Indian Space Research Organisation \(ISRO\)](#) and non-governmental entities.

Read more: [Promoting Public-Private Synergy in India's Space Sector](#)

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