

Digital twin

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About Digital twin

- It is a virtual depiction of a real-world entity, be it a product, process, person or location, capable of comprehending and gauging its tangible counterparts.
- The twin digital copy will also help policymakers understand how infrastructure will function in different situations such as high-footprints events, increase of population or during natural disasters.
- The strategic partnership aims to create digital twins of major cities and towns, leveraging Genesys' all-India highly-accurate navigable maps.
- The Genesys constellation of sensors and SOI's recently-launched Continuously Operating Reference Stations (CORS) network allows for real-time high precision positioning data.

Key points about the Survey of India

- It was set up in 1767.
- It is the National Survey and Mapping Organization of the country under the Department of Science & Technology,
- It is the oldest scientific department of the Government of India.
- It bears a special responsibility to ensure that the country's domain is explored and mapped suitably, provide base maps for expeditious and integrated development and ensure that all resources contribute with their

Q1) What is a "Continuously Operating Reference Stations" (CORS) Network?

It is capable of precise Location based services, which are capable of providing centimetre level positioning services in real-time. These stations will be operated by the Survey of India. The Survey of India has set up more than 1,000 CORS stations across India.

Source: Survey of India, Genesys tie up for 3D digital twin-mapping programme in India

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