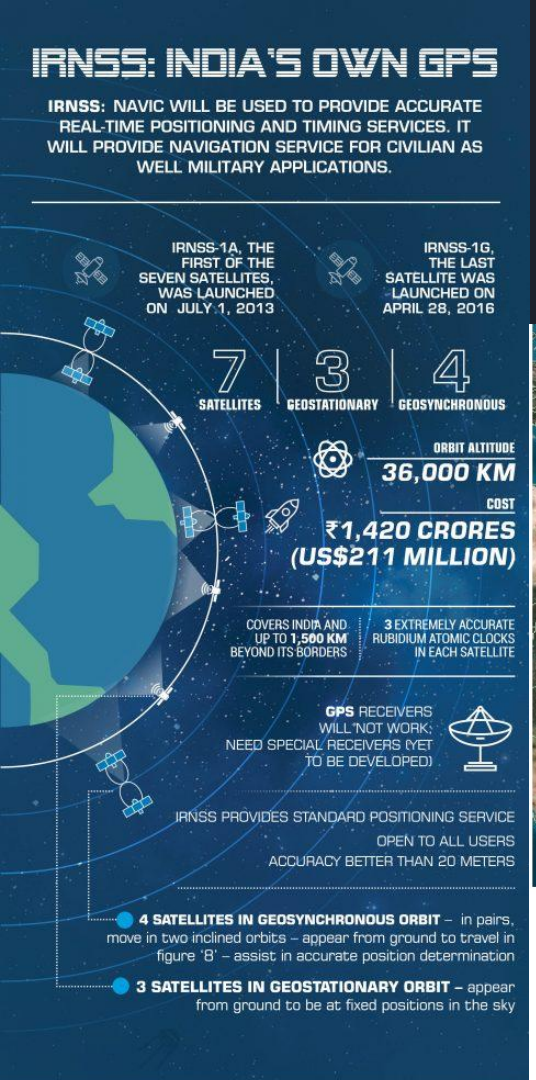
Unnamed - A NavIC app

rise above the GPS

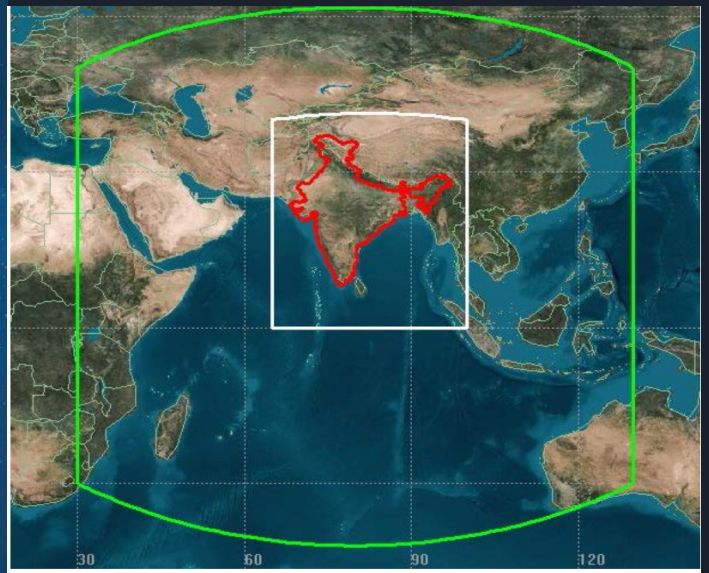
Geo-positioning powered by ISRO, Made in India

This presentation is about :

- ★ **NAV**igation with **I**ndian **C**onstellation(NavIC)-Receiver Design
- ★ Key Features of the application



Project objective



Extended Service Area: Area between primary service area and area enclosed by the rectangle of Lat 30˚S to 50˚ N, Long 30˚ E to 130˚E.

The purpose of this project is provide an indigenous alternative to GPS, which can be personalized and tailored for the Indian user.

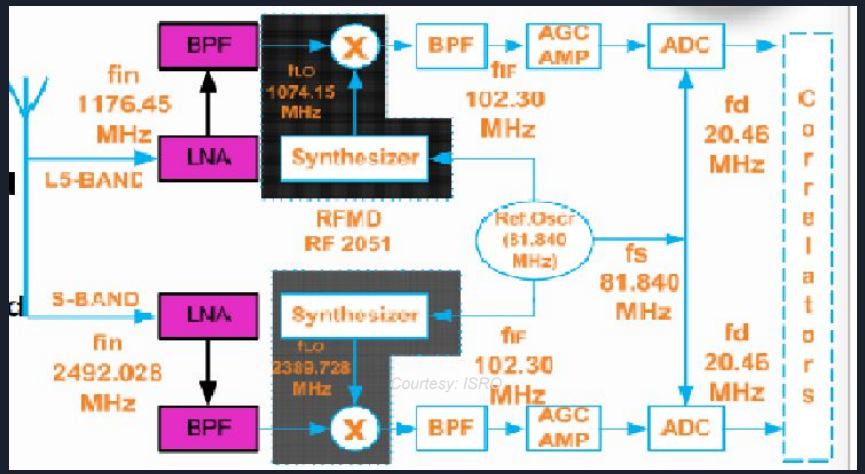
Besides offering the services of a location-tracker/finder, the app comes with utilities like calamity alert, real-time traffic and weather reporting.

Though many applications provide these features, there are very few options and none of them use NavIC.

Receiver design

Key Components:

1. Antenna
2. LNA
3. RF Front-end Processor
4. Correlator and Demodulator
5. Navigation processor and UI



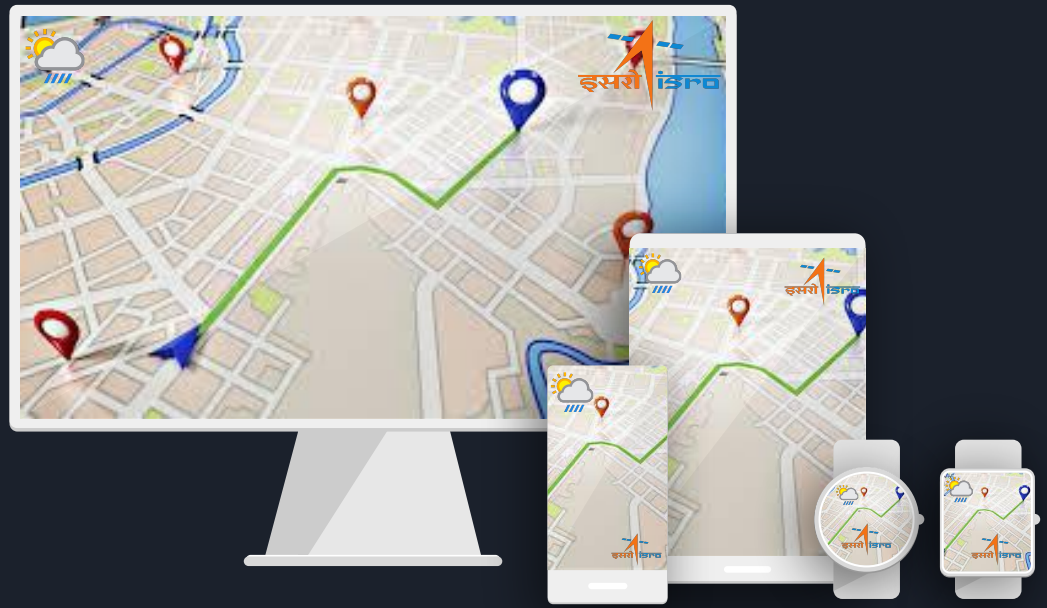
Unnamed

A state-of-the-art application compatible with multiple devices

More accurate compared to GPS, owing to GAGAN and IRNSS.

Features:

- Real-time weather reports
- Traffic sensing
- Calamity alerts



Thank you

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