



Problem #7 Statement

Traffic Management System in Coastal Regions.





Introduction to Our Team









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Current Situation

Navigation along the coast is always a challenge due to various navigational hazards and restricted sea room. Heavy Traffic along the coast makes it more difficult.

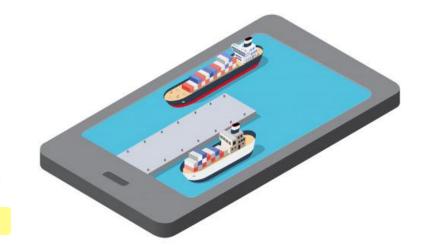




What We Built?

Shipper.







How do we solve the problem?

The system makes use of already existing data sources (sensors) available on most ships like AIS & Radar, eliminating the need for extra infrastructure, and shows the details on a User-Friendly interactive Real-time Map.

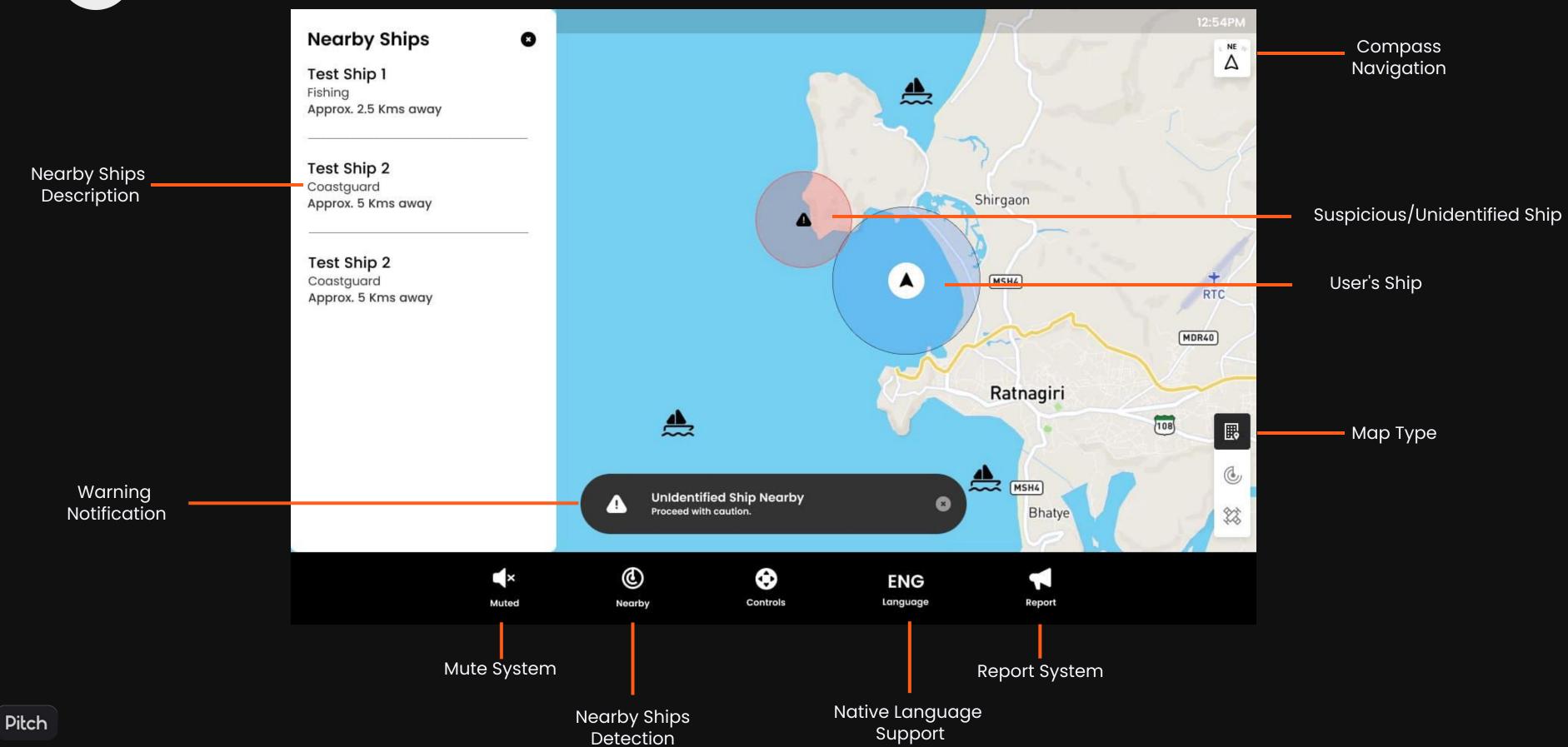
It is equipped with smart features such as automatic vessel traffic detection, and head-to-head collision avoidance detection. The system automatically switches data sources like Radar, AIS & S-AIS based on the traffic conditions.









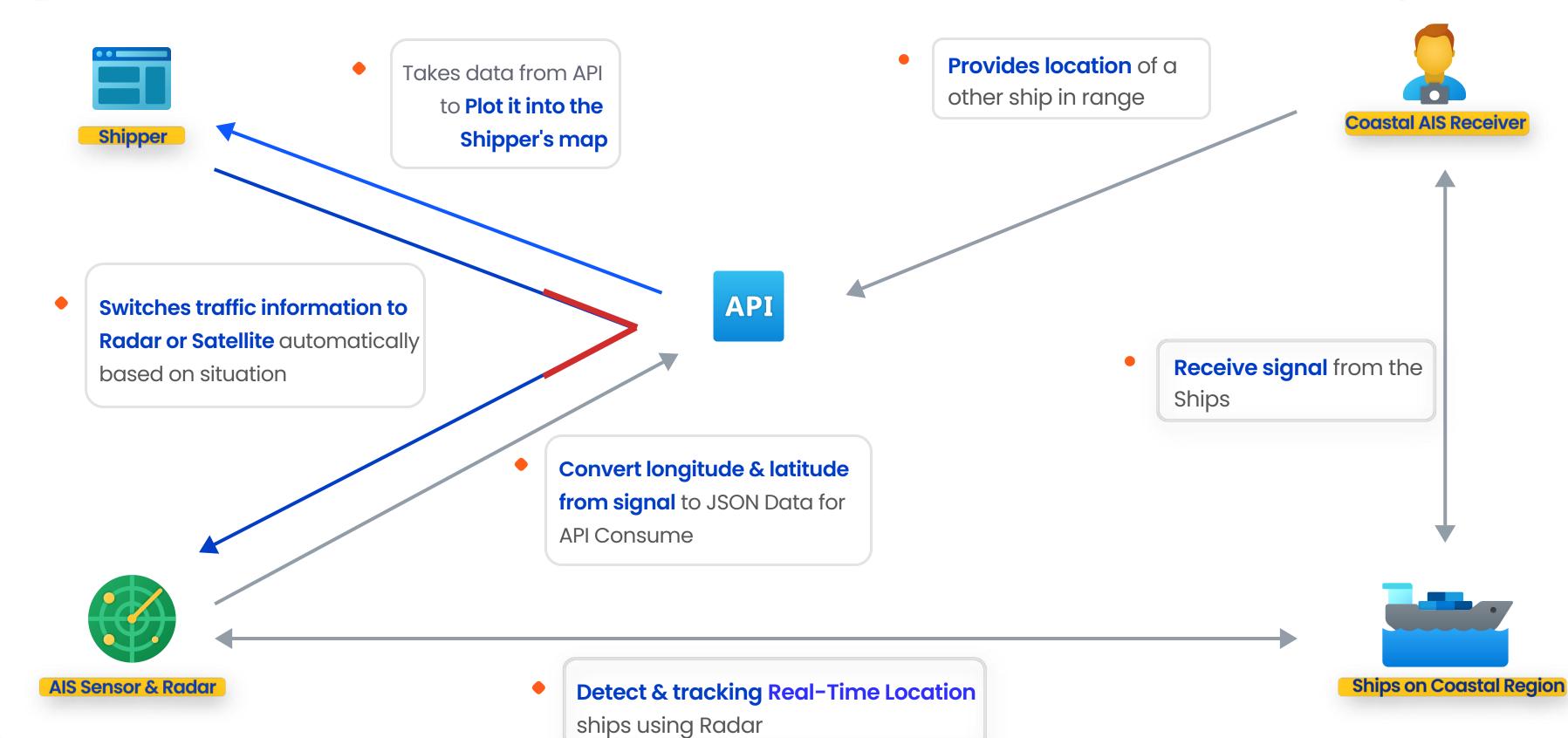




Engineering Process

ASEAN-INDIA

• 06

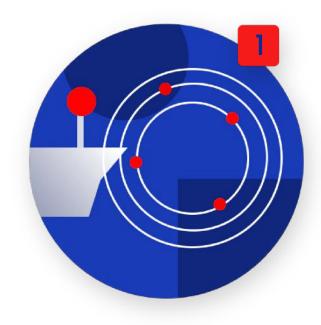




Software Features



07



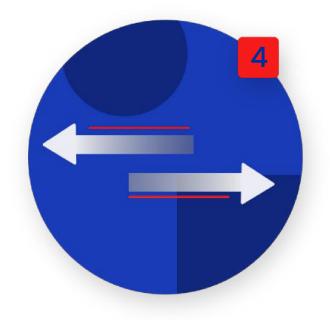
• Head-to-Head Collision Detection



Suspicious Ships Report System



Ship Detection using Satellite Imagery



Automatic Data Source Switching



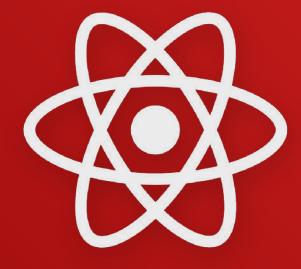
Native Language Support



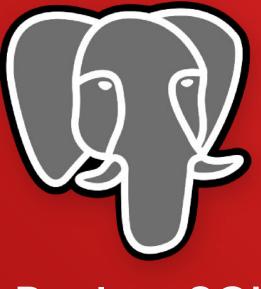
Navigational Guide Services



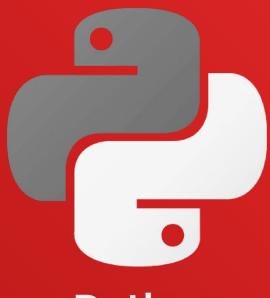




React.Js



PostgreSQL



Python





Mapbox





"We may have all come on different ships. But we're in the same boat now"

—Martin Luther King,Jr



And that brings us to the end.

Thank you so much for your time and attention