

PRODUCT STUDY



OVER VIEW

Globally the oceans, are facing a lot of challenges pertaining to pollution by using Diesel & Petrol for Vessels for day-to-day activities.

The main issues, with the usage of Diesel & Petrol for Vessels, are Air Pollution, Climate Change, Oil Spills, Supply Chain disruption, Maintenance, and Storage, According to the International Maritime Organization, shipping is responsible for around 2.5% of global greenhouse gas emissions.

The Entire ocean's damage is affecting nature, and Glass Ocean Electric is on a mission to establish electric vessels all over the ocean water and create an ecosystem for the reduction of pollution.

THE HITCH:

According to the International Maritime Organization, the shipping industry is responsible for around 2.5% of global greenhouse gas emissions. The majority of these emissions come from burning fossil fuels like diesel and petrol.

According to the Clean Shipping Coalition, shipping is responsible for approximately 13% of global sulfur oxide emissions and 15% of global nitrogen oxide emissions.

The International Tanker Owners Pollution Federation reported an average of 1.3 large spills (over 700 tonnes) per year between 2008 and 2017. Overall, these global analysis numbers highlight the significant environmental impacts of using diesel and petrol in the oceans.



Glas Ocean Electric (GOE) is committed to improving marine intelligence and ecosystem health. They do this through electric boat propulsion kits, the utilization of boat batteries as dynamic energy storage for power grids, and data collection.



THE CONCLUSION:

“Glass Ocean Electric Offline mobile application, helps to find the speed, distance, time, sea level, and also Vessels' movement, and navigation helps in understanding where to install the electric charging stations for creating a pollution free environment.



THE STORY THAT LED TO INNOVATION:

Over a period of 15+ years, Sue Molloy, the chief of Glass Ocean Electric who is an expert in her field of ship propulsion, electric boats, and renewable energy, working towards the improvement of nature and avoiding unwanted pollution, started Glass Ocean Electric firm.

The mission is to create an electric vessel ecosystem all over the marine space and started working on an offline Mobile application for adding the vessels and checking the speed, distance, time, and sea level.

Technological innovation: There are ongoing advances in technology that are making it possible to improve the efficiency and environmental performance of ships. the use of digital technologies and automation can help optimize vessel operations and reduce fuel consumption.

TECHNOLOGIES AND TOOLS:



THE CATCHY:

- Mobile App- User Creation
- Mobile App- Social Sign in
- Mobile App- Vessel Creation
- Mobile App- Offline Navigation
- Mobile App- Offline Tracking
- Mobile App- Trip Analytics
- Mobile App- Connecting mobile device sensors
- Mobile App- Cloud Synchronization
- Mobile App- Download Trip Analytics
- Mobile App- Trip History
- LPR Enabled Tracking (Bluetooth & IOT)

