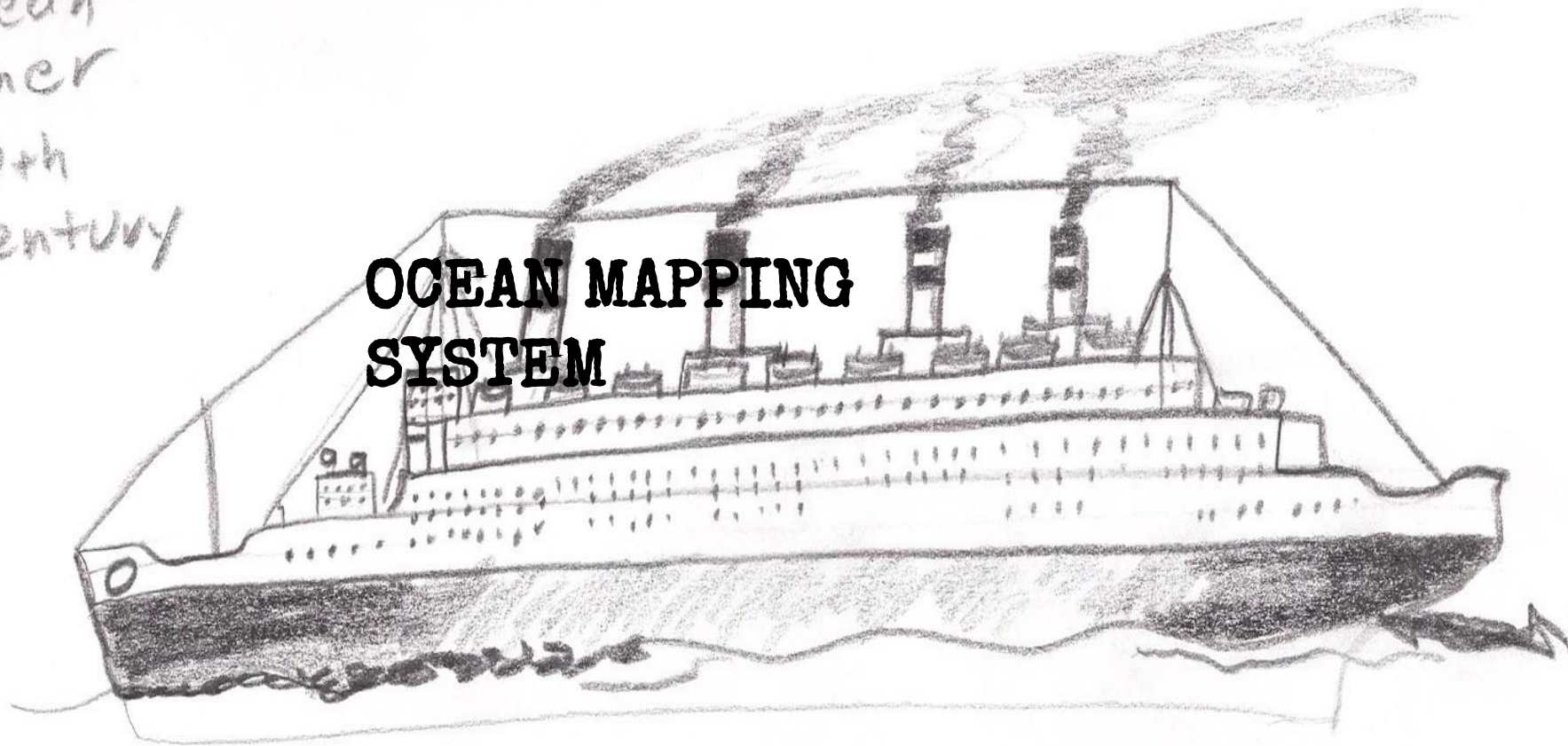


11/2/08  
Ocean  
Liner  
20th  
Century

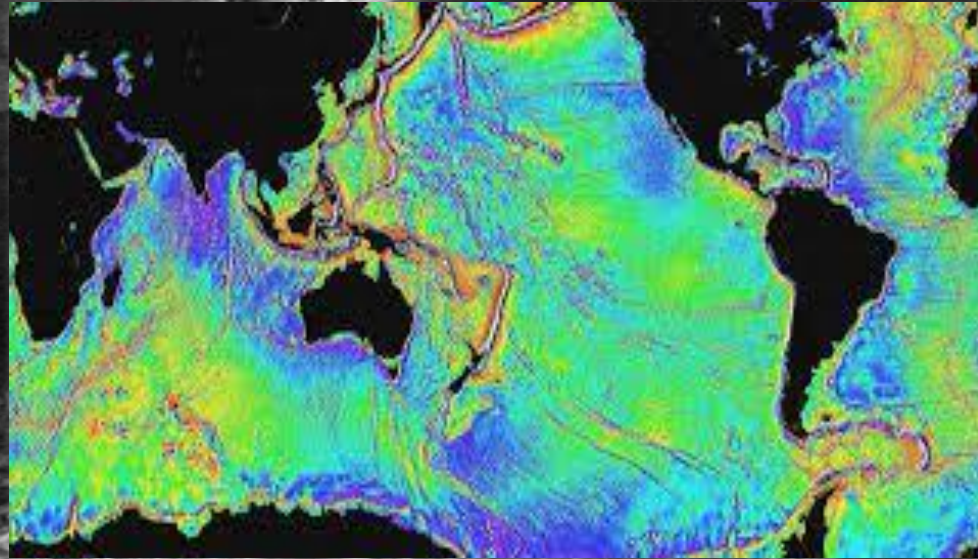
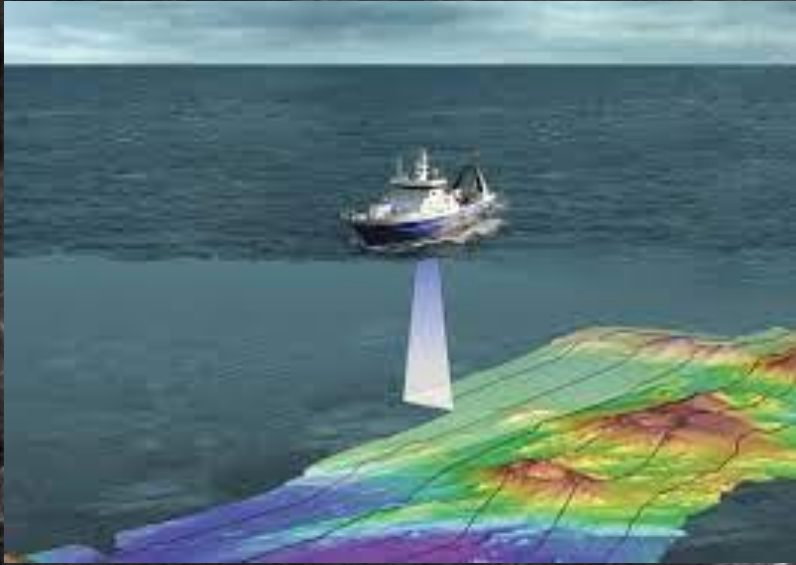
# OCEAN MAPPING SYSTEM



A black and white illustration of a tropical beach scene. In the foreground, several palm trees are scattered across the sandy beach. In the background, a large, rugged mountain rises against a cloudy sky. The word "Overview" is written in a large, white, serif font across the middle of the image, with a horizontal line underneath it.

# Overview

# Existing System




Normal Ship Mapping

Satellite Imaging



# Disadvantages of Existing System



- Fuel Inefficiency
- Manual Intervention
- Limited Real-Time Data

A black and white photograph of a large iceberg in the ocean. The iceberg is the central focus, with a dark, rectangular banner overlaid across its middle. The banner contains the text "Proposed System" in a white, stylized, monospace-style font. The text is underlined with a thin white line. In the background, to the right, a small ship is visible on the horizon. The sky is overcast and the water is dark.

# Proposed System





# Advantages of Proposed System

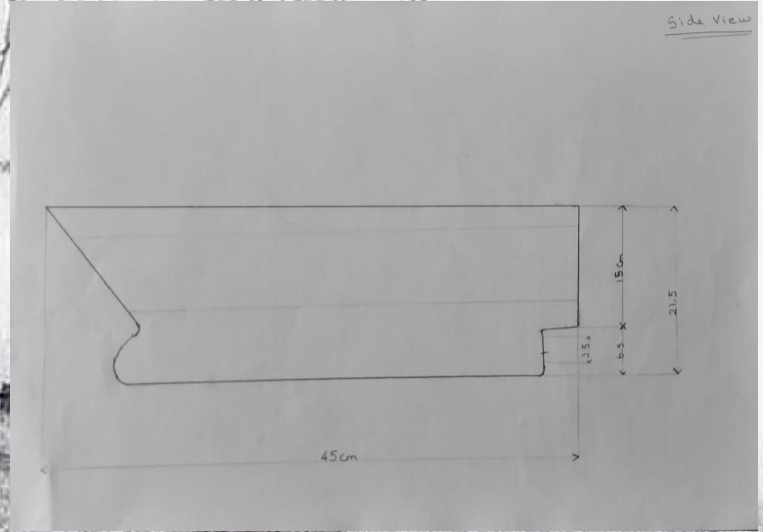
- ECO Friendly
- Autonomous

A watercolor illustration of a winter landscape. In the foreground, there are several large, bare trees with intricate branch structures. A simple wooden fence runs across the middle ground. To the left, a small house with a red roof and white walls is visible. The sky is filled with soft, grey clouds. The overall style is soft and painterly.

# How We Made It



# Planning

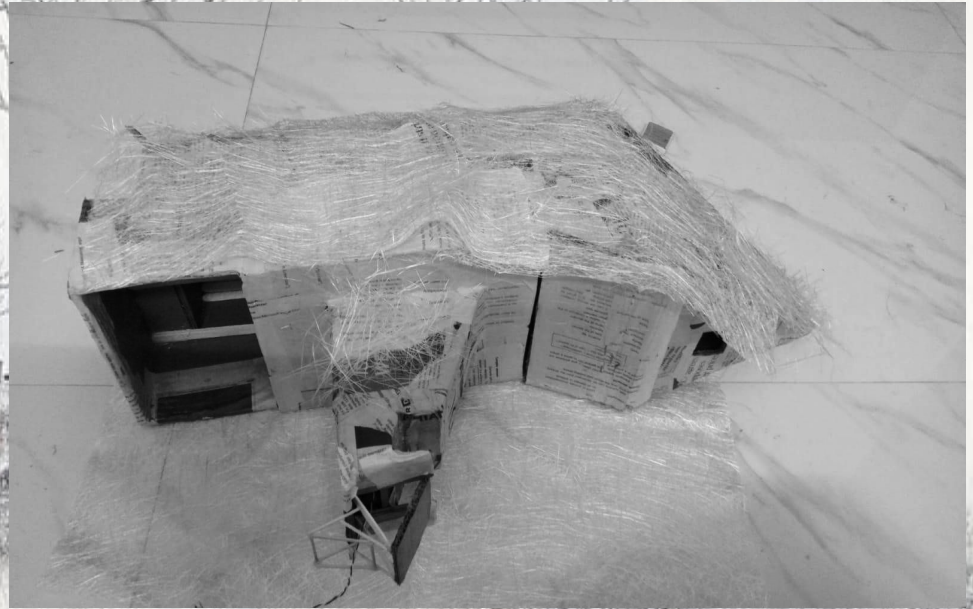




# Cardboard Model



# Resin with Fiberglass



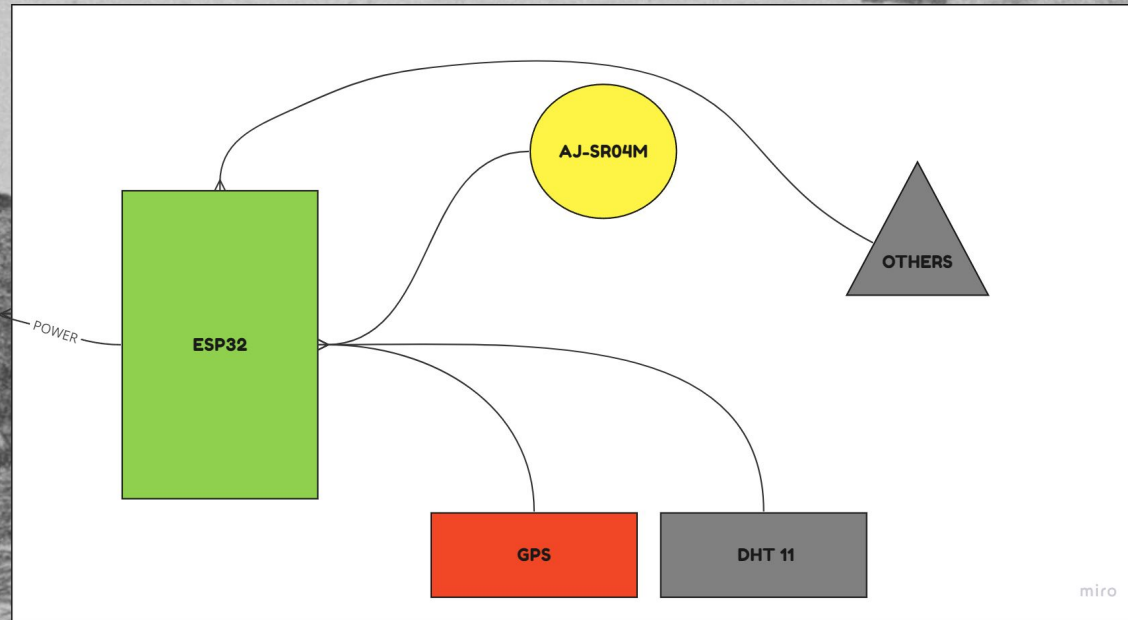




# Hardware Used

ST PAUL.  
Kraterbucht.

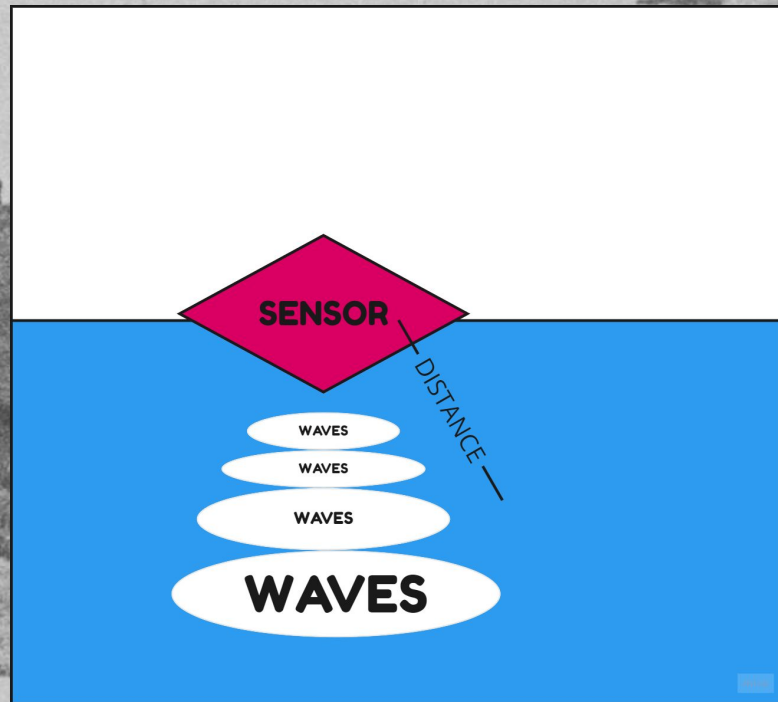
# Diagram for Devices



ST PAUL.  
Kraterbucht.

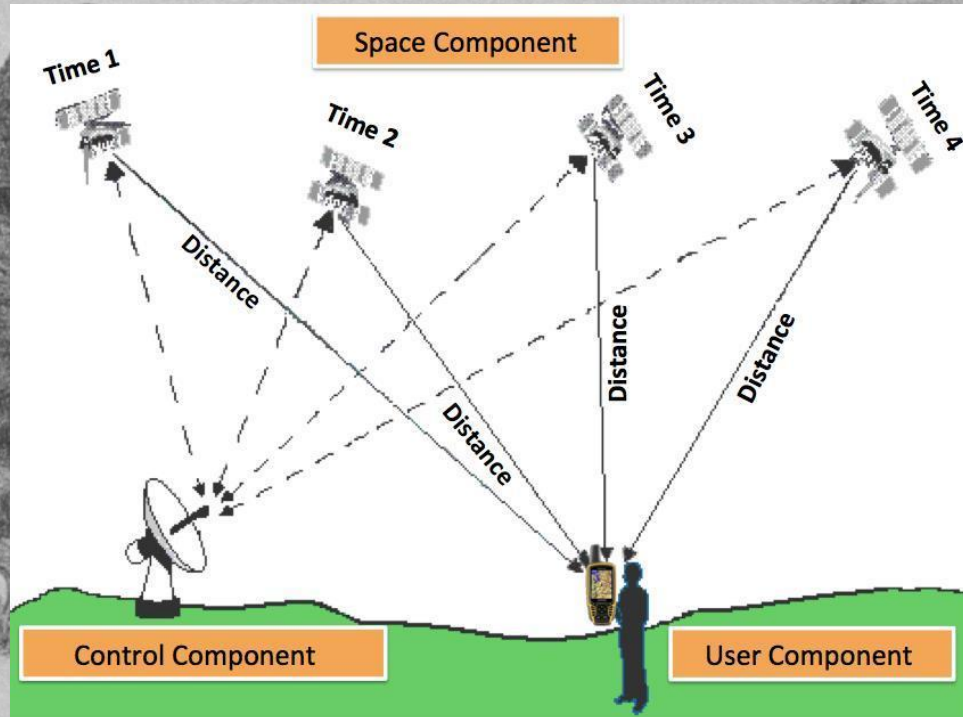


# AJ-SR04M



ST PAUL.  
Kraterbucht.

# GPS Works



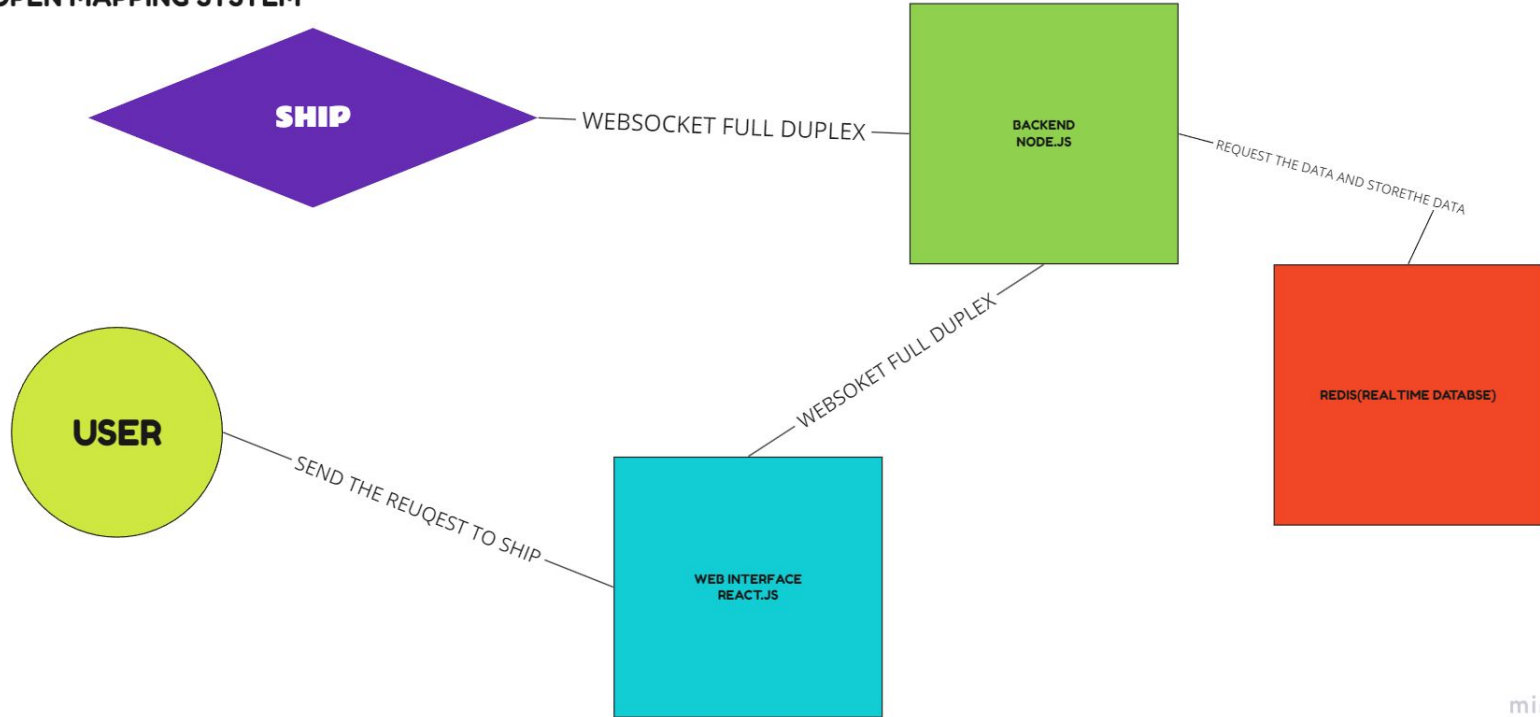




# Technology Begin

# Overall Diagram

## OPEN MAPPING SYSTEM

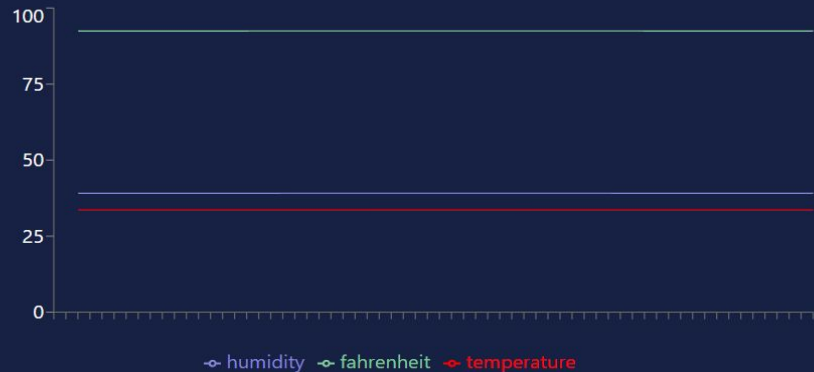
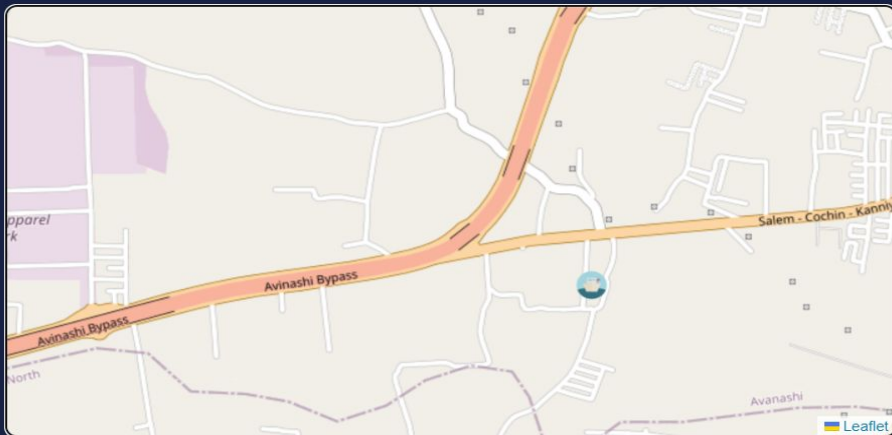


A black and white photograph of a classroom. In the center, a teacher with dark hair is seen from behind, leaning over a desk to assist a student. Several other children are seated at long wooden desks, some writing and others looking towards the camera. The room has large windows on the right side, letting in bright light. On the left wall, there are some framed items, possibly educational charts or drawings. The overall atmosphere is that of a typical mid-20th-century classroom.

# Tutorial

Home Made





Autopilot



2 B

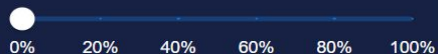


2 L

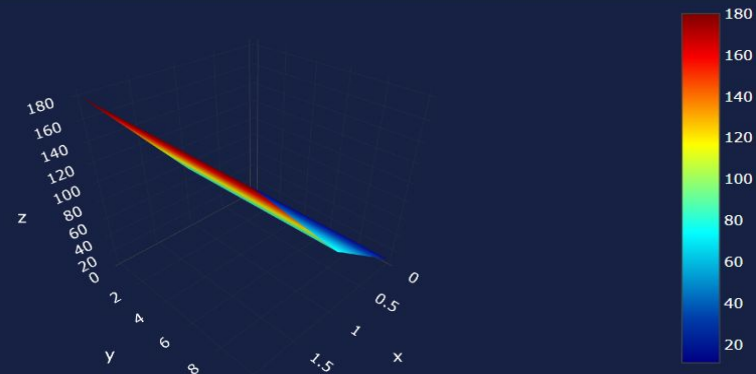
Max Speed :40%  
From Control-0.00 km  
Return Home-Enabled

Distance Input

2



0% 20% 40% 60% 80% 100%



### Vessel Info

Vessel: DS MARK 42

Type: USV

T&D:03-05-3/4/2024

Status: Online

Click Icon To Show More Information



9



0.17



1



0.9



18



-81dB

### Live Status

Latitude : 11.203426

Longitude : 77.344778

Altitude : 331.3

Current Depth : 180

### Centralize System Status

- Web Server (ReactJs)
- Backend Server (NodeJs)
- Redis(realTime Database)

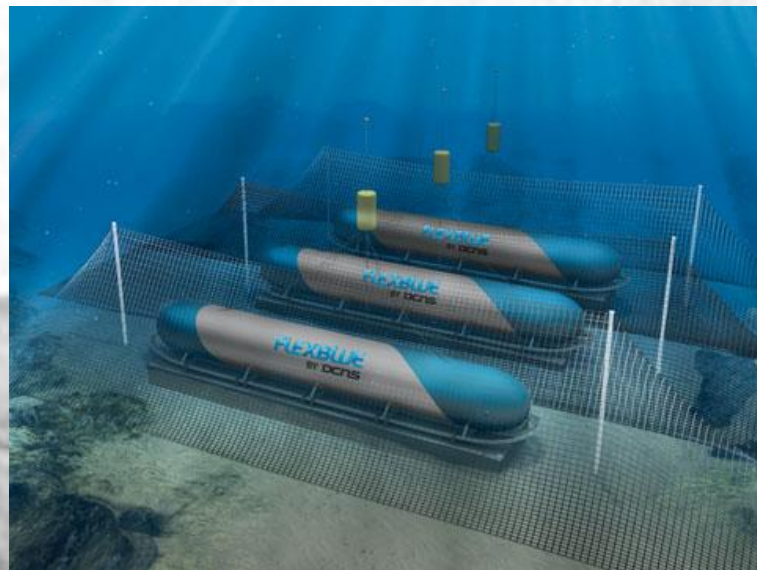
### Emergence Controls

Carefull may cause Damage , Complete Stop for all hardware





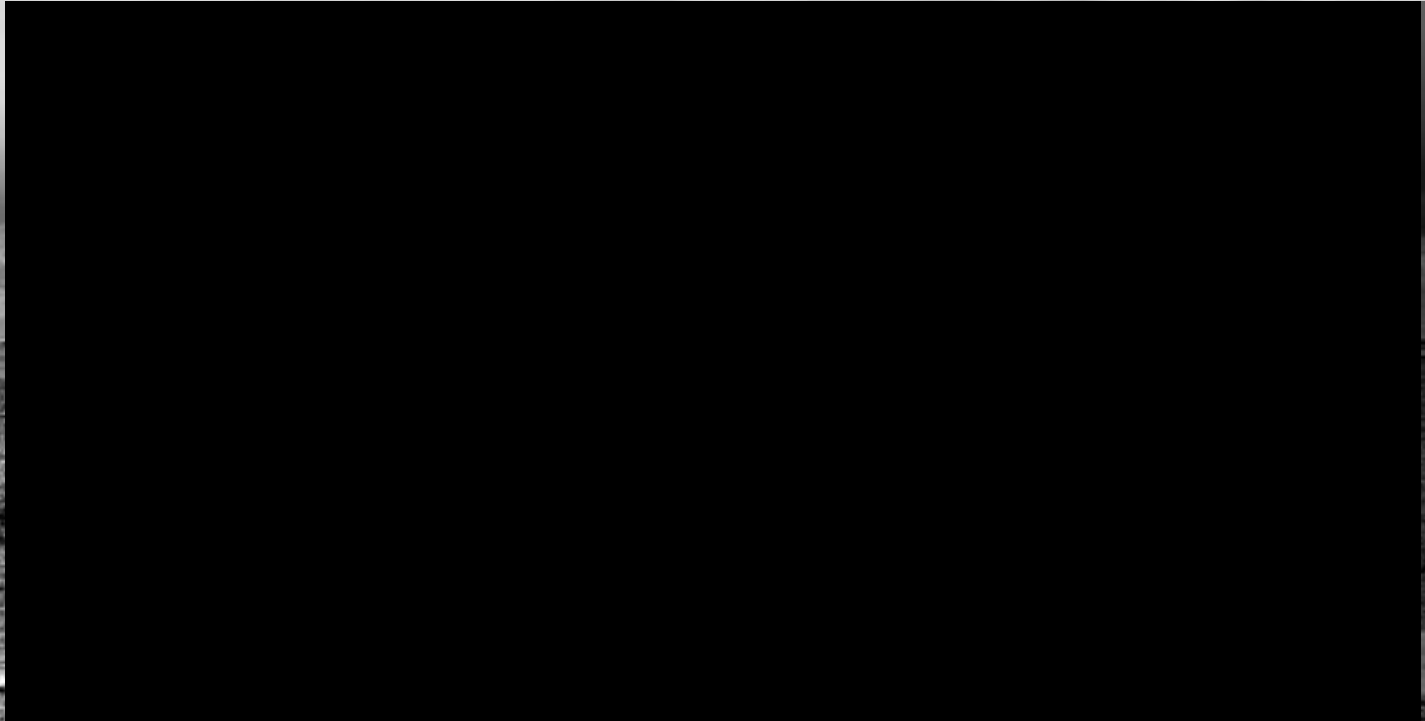
Future Usage







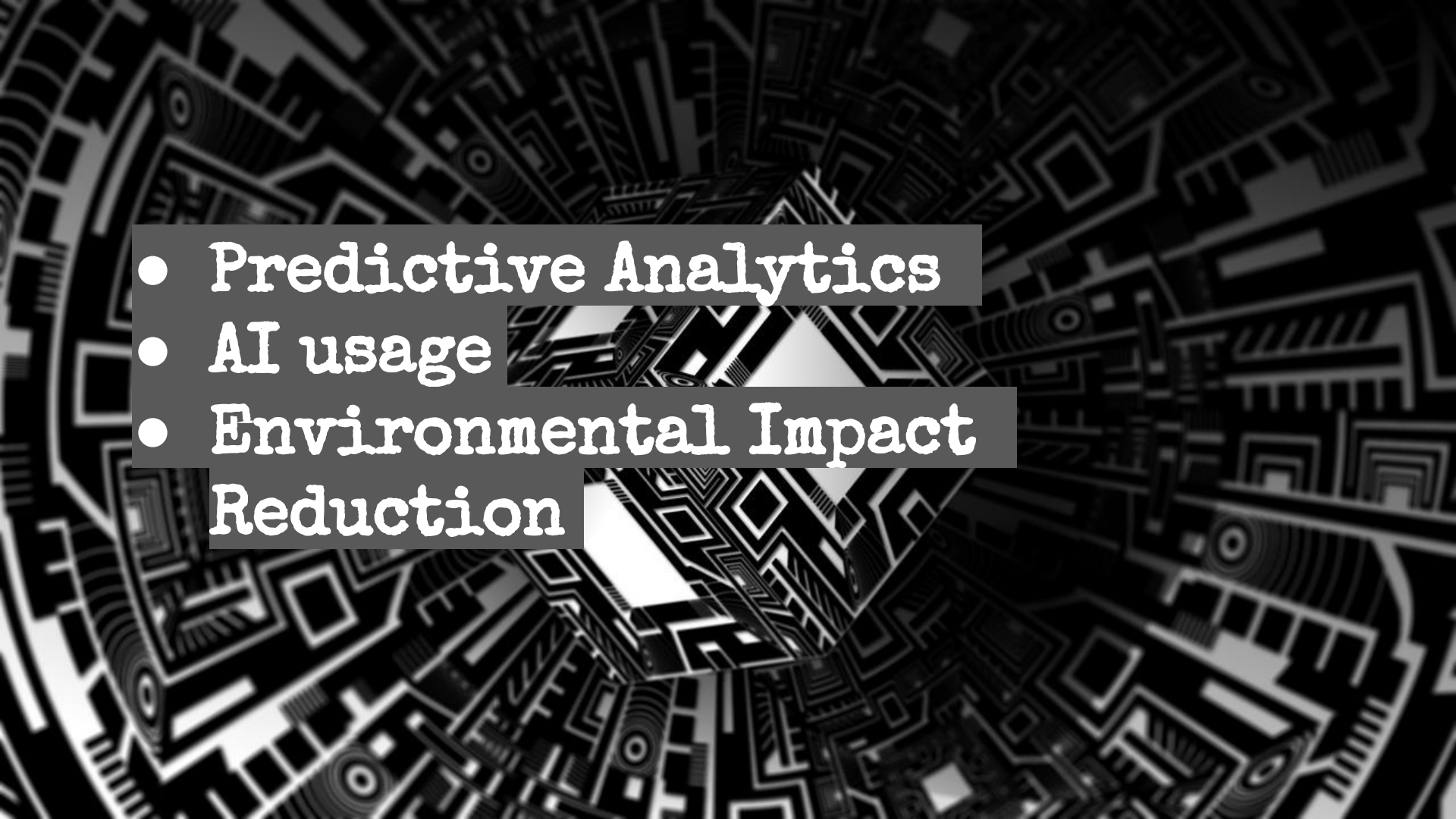
# Testing





Future  
Enhancement



- 
- Predictive Analytics
  - AI usage
  - Environmental Impact Reduction

Q&A



THE  
END