## **NUTRA Ocean Passive Sensor Network**

This whitepaper outlines a practical and scalable ocean surveillance concept using passive sensors.

The system relies on underwater modules that detect chemical traces (e.g., fuel, pollutants) and trigger buoy deployment with GPS signaling.

## Key Features:

- Passive seabed sensors (e.g., sponge, membrane)
- Mechanical buoy release system
- Surface GPS signal transmitter

## Advantages:

This system is low-cost, eco-friendly, deployable without infrastructure, and ideal for remote or contested environments. Its simplicity allows for rapid prototyping, including DIY implementation.