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Tiny technology for the world's biggest challenges

MULTI-SENSOR FISHERY DEVICE

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Introduction

In Zanzibar context, Blue economy focuses on the sustainable use of the Ocean for socio-economic development while preserving the marine environment

Fisheries is the most largest sector that employs over 60% of Zanzibaris who live near the coast.

Challenges

- Where about to fish – *potential fishing grounds*

- Safety & Rescue - Zanzibar fisheries sector is dominated by artisanal fishing that uses traditional gears and vessels, thus accidents are common.

I am motivated to introduce MULTI-SENSOR FISHERY DEVICE that aims to tackling these problems.

Solution

Multi-sensor Fishery device with artificial intelligence device capabilities. The device will be embedded in a fishing boats.

- It will detects potential fishing areas
- It will detect the size of a fish
- It will serve for safety and rescue
- It will send data to database

The Device Features

This sensor device has following features that will help in make overcome the challenge of fisherman

- Fish finder
- Fish attraction
- Knowing fish size
- Fisherman safety
- Extract data

Status of the Project

BRAIN-STORMING

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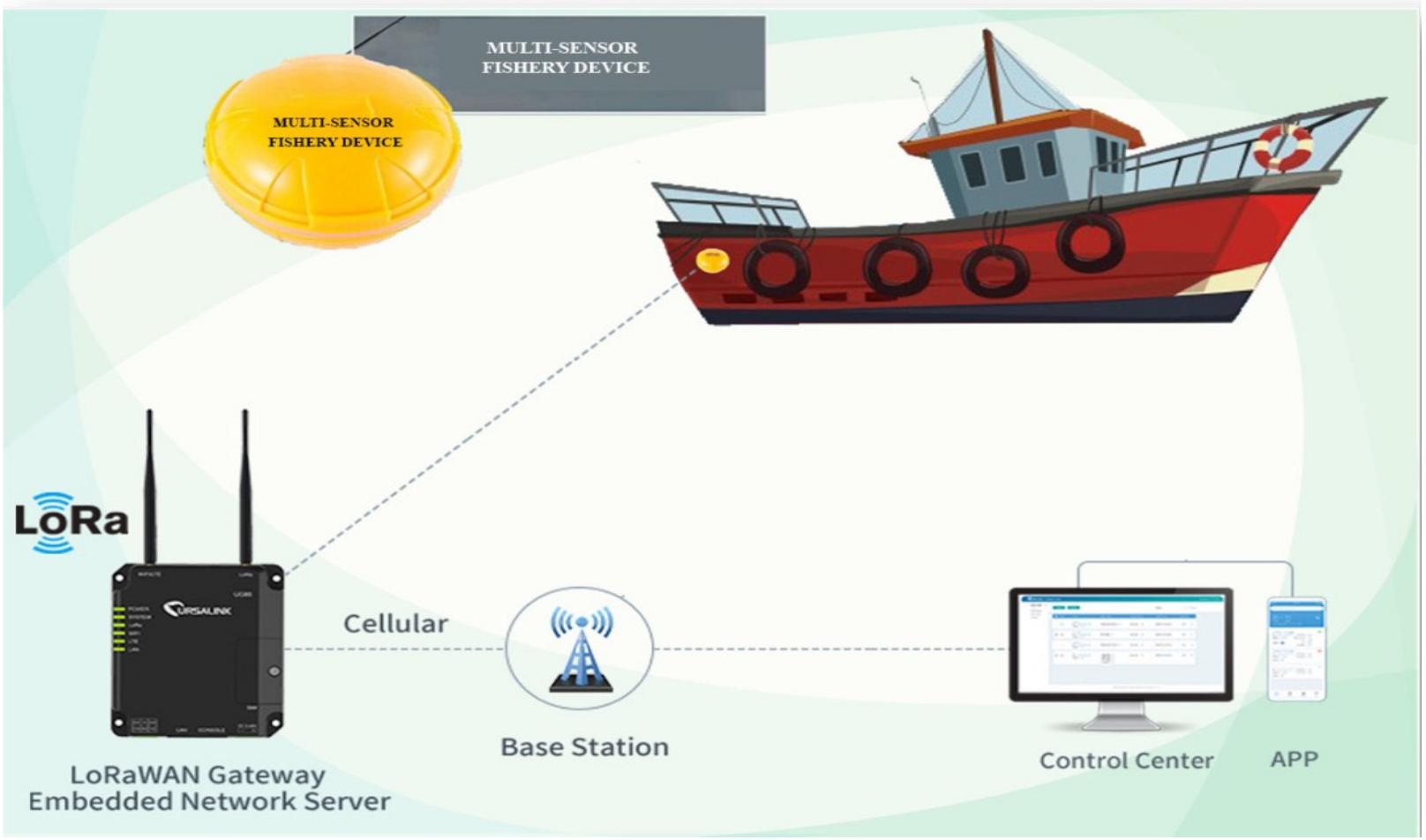
CONSTRUCTION OF IDEAS

MULTI-SENSOR FISHERY DEVICE



Impact

THIS SOLUTION IS EXPECTED TO IMPACT THE FISHERIES SECTOR IN ZANZIBAR

Call to Action

- Next steps
  - Development of Multi-sensor Fishery Device.

- Needs
  - LoRa
  - Radar
  - Sonar

- Gaps/Risks to success
  - Internet issue
  - Acceptance of device.
  - Financial Problem

- Help Needed
  - Capacity Building
  - Financial Support