



**Welcome To**

# Premium Tech's ESV Service

## A Demonstration



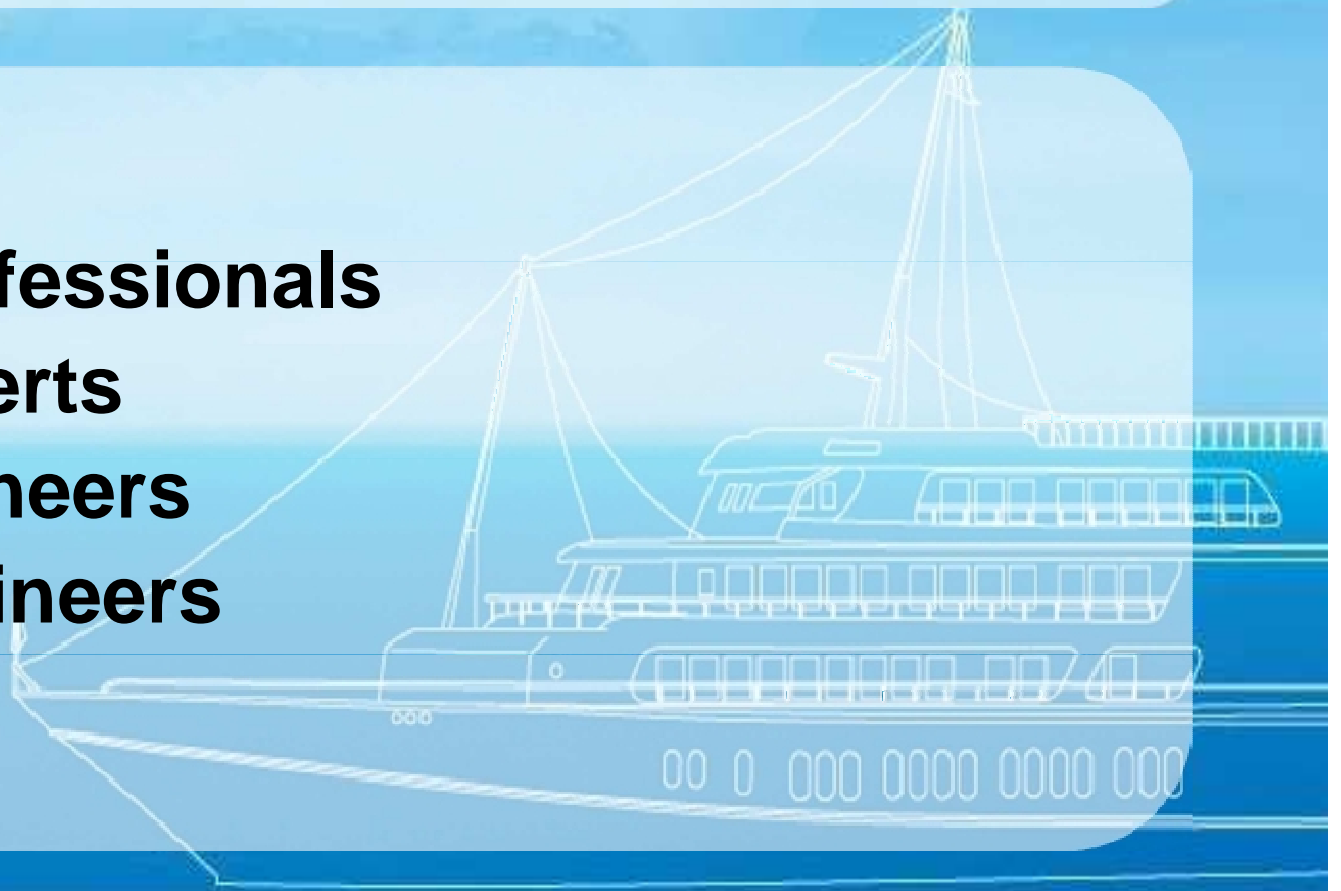
## **PTJ - About Us :**

**Established**

**- October 2011**

**Comprised of :**

- Broadcast Professionals**
- Technical Experts**
- Software Engineers**
- Hardware Engineers**
- Businessmen**



## **Vision :**

To expand this worlds reliable and affordable communication network to our oceans

## **Solution :**

Provide broadband services to any sea faring vessels

## **Mission :**

Provide Seamless broadband connectivity for Maritime vessels at a flat monthly rate

# Services & Products

## **A) ESV Service**

- Earth Station on maritime Vessels
- Unlimited broadband on a flat rate

## **B) 5GHz Microwave System**

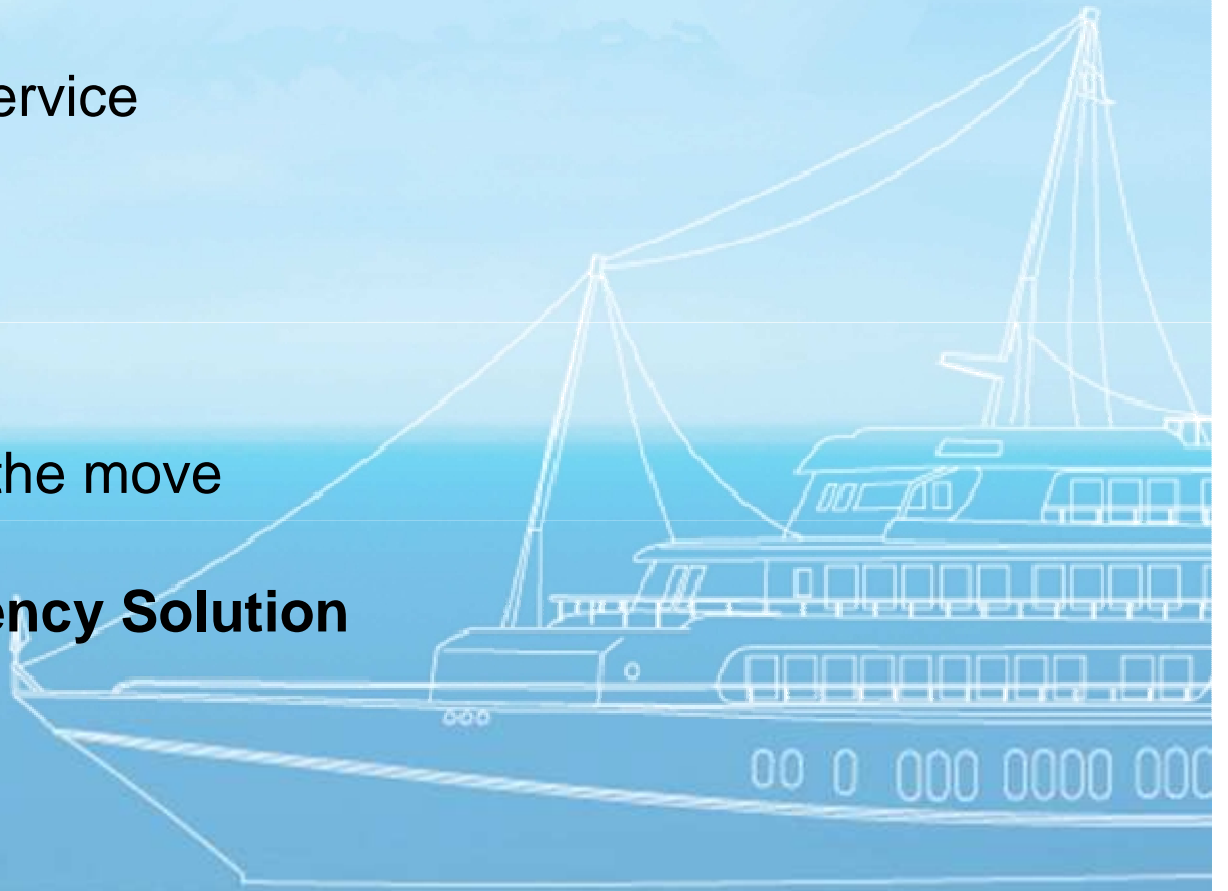
- Terrestrial microwave
- Broadband transmission service

## **C) Fixed Array Antenna**

- Satellite transmission
- Compact, flat size
- Satellite transmissions on the move

## **D) Full Auto. VSAT Emergency Solution**

- Full Automatic system
- Ease of use





# Today's Objective :

**Introduce our ESV services**

**Give a demo of the system to you**



## WHAT IS ESV

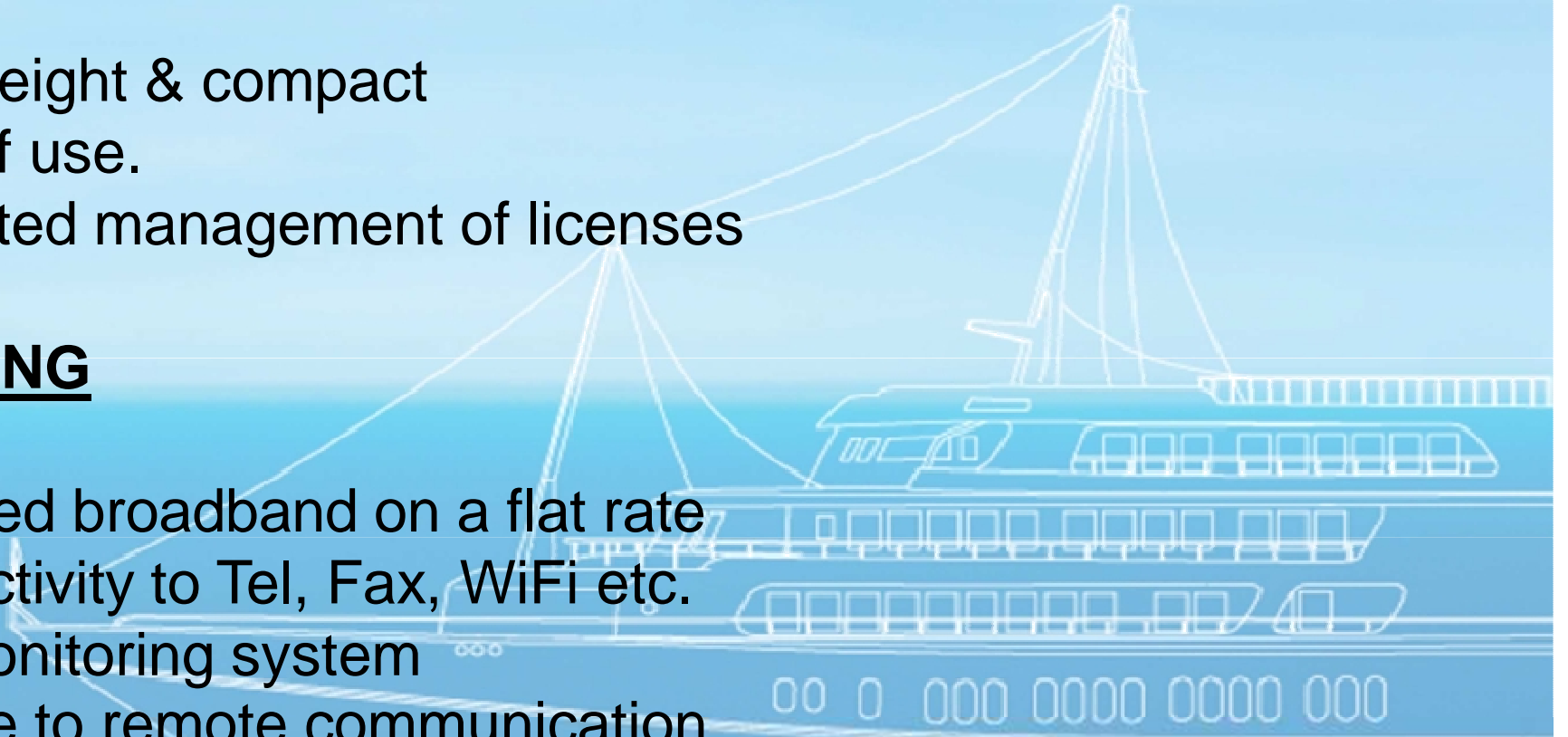
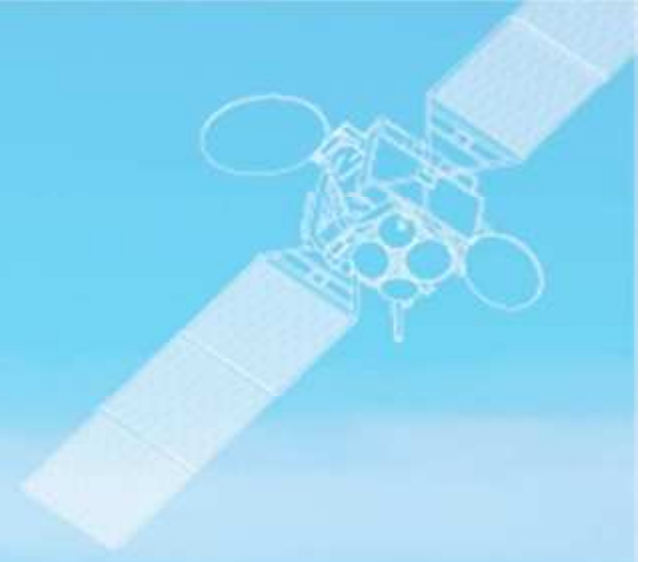
- Earth Station on maritime Vessels
- Providing constant connectivity on board

## MAIN FEATURES

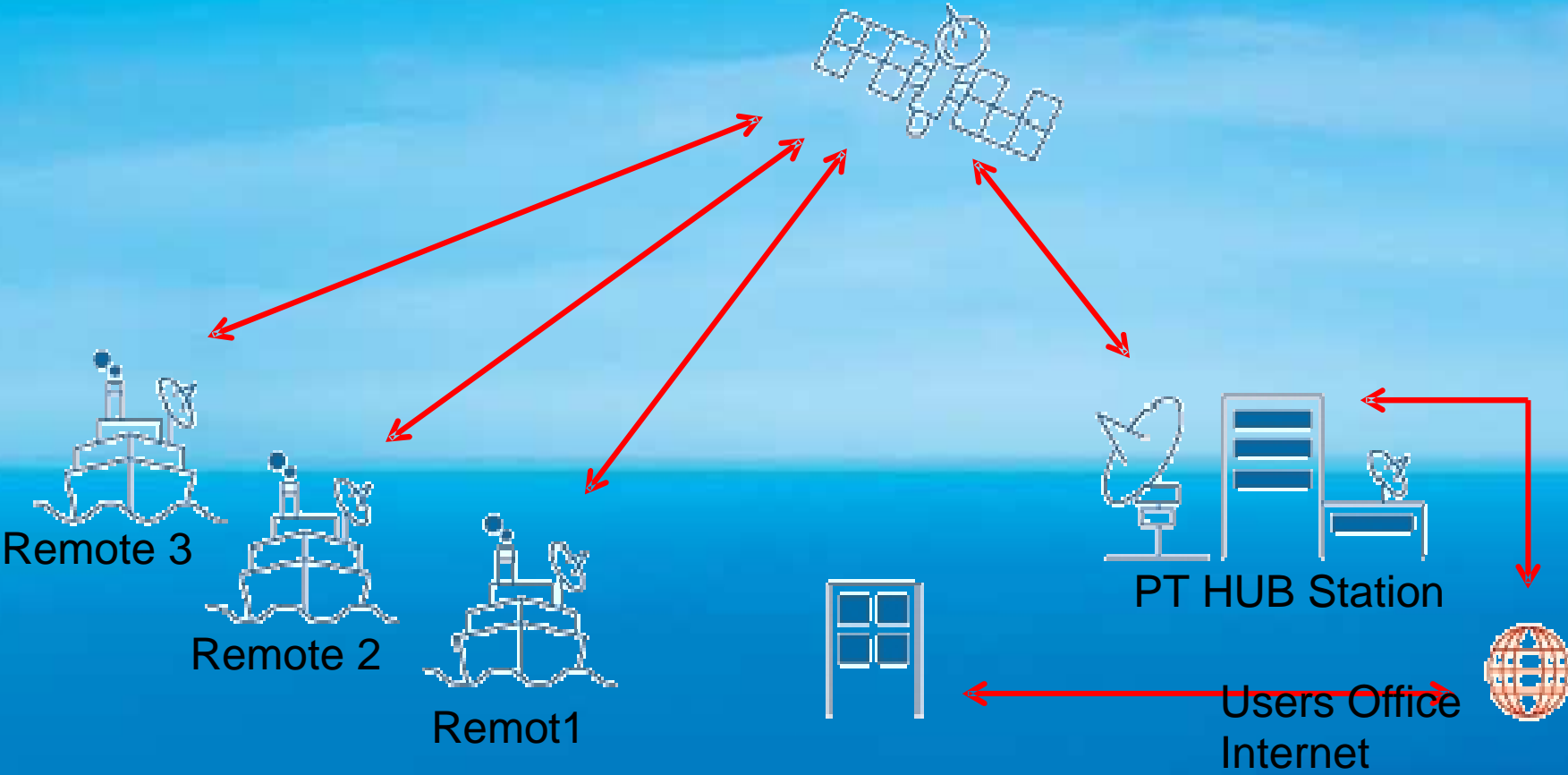
- Light weight & compact
- Ease of use.
- Integrated management of licenses

## PROVIDING

- Unlimited broadband on a flat rate
- Connectivity to Tel, Fax, WiFi etc.
- Live Monitoring system
- Remote to remote communication
- Constant connectivity to HUB station



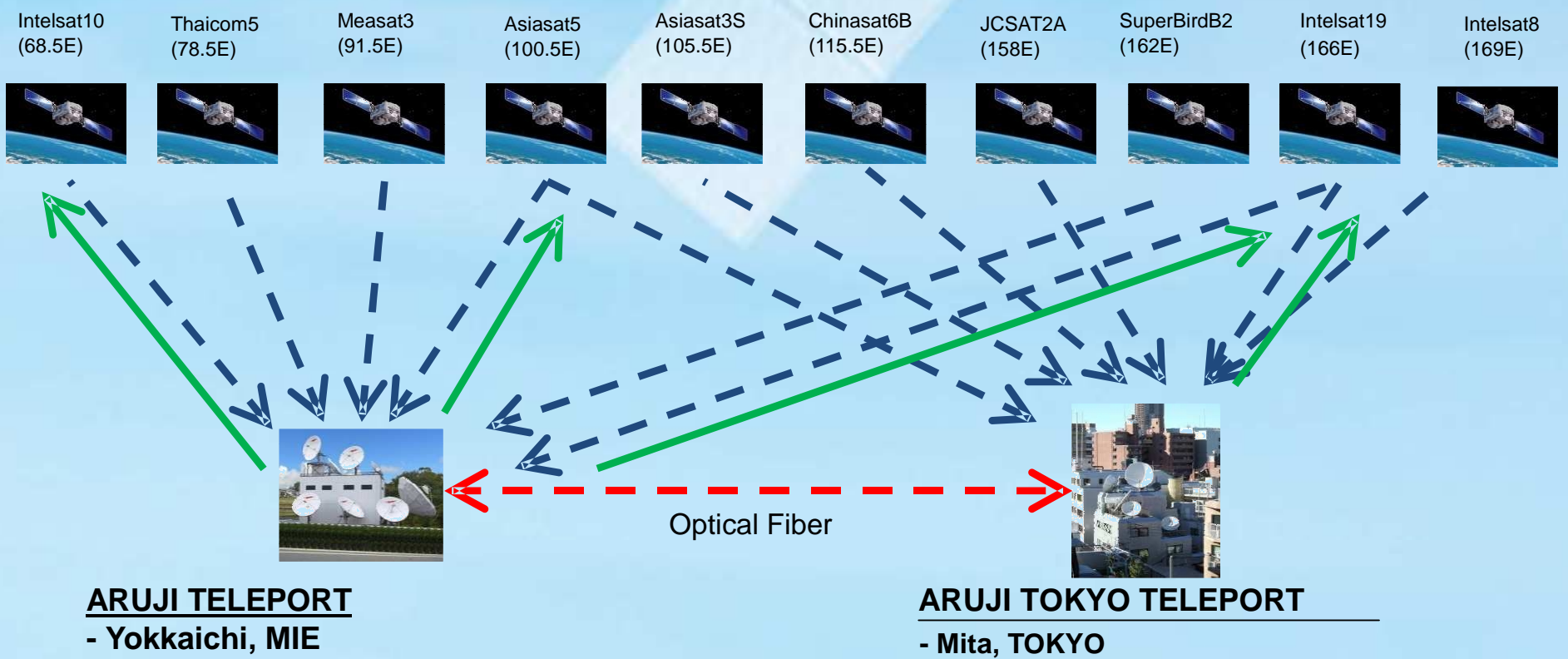
GEO Satellite





# TERRESTRIAL BASE STATION

- Terrestrial HUB at Yokkaichi Teleport.
- Fiber Connectivity to Tokyo Teleport
- Live monitoring of remotes status
- Constant HUB to Remote Communication
- Remote to Remote Communication



# For Today's Demonstration



- Simulating a GEO satellite Used instead of transponder
- Only difference is power
- Return power from satellite 10 Watts Here 10 to the power-21 micro Watts

Reason to use SIMULATOR

ESV has license only for use over sea



## The HUB System

- Connected to terrestrial internet
- Manages all communication between HUB and multiple remotes
- Network Management System



## On Board vessel System

- Automatic Tracking 60/80cm antenna
- Always tracking satellite
- On Board WiFi, telephone, Fax etc via switching hub
- Making HUB To remote , remote to remote communication
- Real Time navigational data transmission with Pics and video
- Compatible with smart phones and WiFi devices





**DEMO FOLLOWS...**