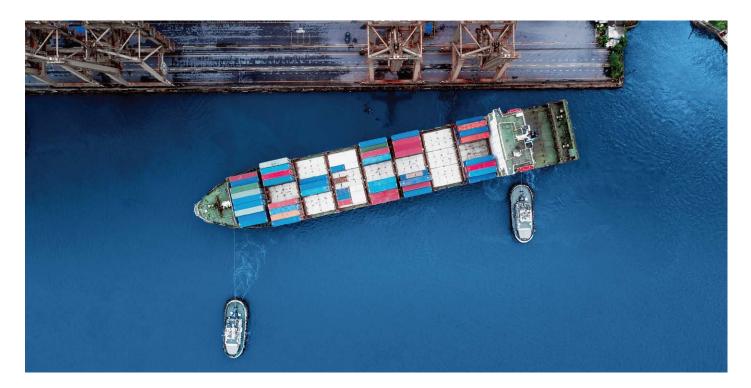# Maritime Anti-Piracy System (MAPS)

Automatic Detection & Alert Triggering of Suspicious Vessels

The hijacking, plundering and detention of ships has evolved over the years and the lives of maritime crew are increasingly being put at risk. The Maritime Anti-Piracy System (MAPS) is capable of addressing that concern by means of prevention. MAPS provides early warning on suspicious piracy vessels through smart mobility tracking and in-depth behavioural analysis.

How It Works

The technology hinges on the smart analytics of ship courses, speed and movement patterns. Fully equipped with an intelligent processing system, MAPS offers early warning to forestall a surprise attack, ensuring that crew members have swift reaction time for risk management.
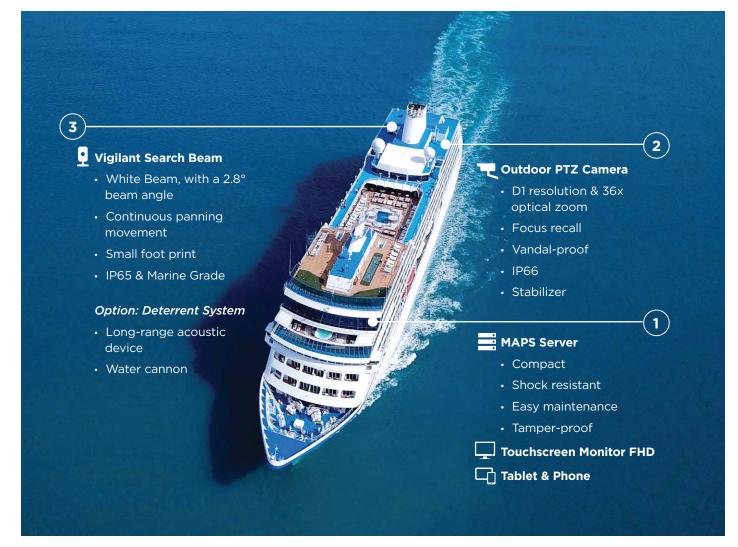
Key Applications

- Maritime Piracy
- Petty Theft
- Maritime Armed Robbery
- Hijacking
- Terrorism
- Illegal Boarding

Key Features

- Automatic detection and alert triggering system
- Advanced behavioural analysis for accurate identification of suspects
- Equipped with touchscreen intuitive GUIs and simple operational functions
- Eliminates surprise attack and increases crew reaction time
- Unmanned system and round-the-clock surveillance
- No interference to ship electronics and equipment
- Seamless integration and installation with ship radar
- Remote diagnostics and technical support

ST Engineering

Operational Concept

3 Vigilant Search Beam
- White Beam, with a 2.8° beam angle
- Continuous panning movement
- Small foot print
- IP65 & Marine Grade

Option: Deterrent System
- Long-range acoustic device
- Water cannon

2 Outdoor PTZ Camera
- D1 resolution & 36x optical zoom
- Focus recall
- Vandal-proof
- IP66
- Stabilizer

1 MAPS Server
- Compact
- Shock resistant
- Easy maintenance
- Tamper-proof

Touchscreen Monitor FHD

Tablet & Phone

1. **Automatic Threat Alert System**
- Efficiently detects suspicious vessels and automatically alerts main control centre
- Detailed behavioural analysis

2. **Rapid System Reaction**
- Intelligent processing system
- Camera accurately tracks the threat in real time

3. **Deterrent Action**
- Automatically deters threats via an illumination of the search beam

4. **Post-event Reporting**
- Detailed incident report
- Pre-incident trajectory record
- Photos and videos for post incident investigation

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