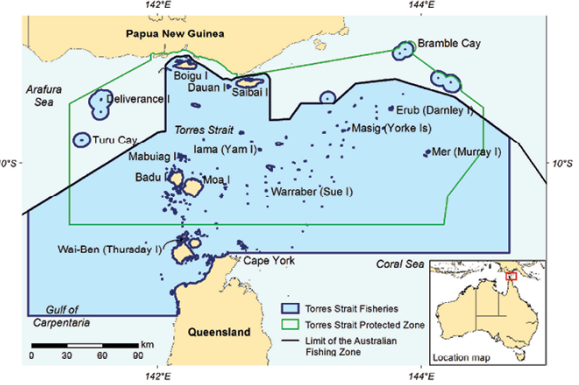


# Over-the-Horizon Radar System



Maritime Border Protection & Law Enforcement  
Real-time Surveillance Capability  
Command & Control Capability for Maritima Operations  
Infrastructure for Future Operations  
Interoperability & Fusion

Yugoimport SDPR Electronic Warfare Capabilities



## About the Capability

Over the Horizon Radar for Maritime Border Protection Operations

Our Over The Horizon Radar (VHF - OTHR) is a multi-purpose system, designed primarily for vessel detection and tracking well beyond the horizon. The system has been designed for the coverage of the entire Exclusive Economic Zone (EEZ), (up to 200 nautical miles (NM) from the shore). This protection far exceeds the reach of microwave radars and camera systems which require line of sight of the target; enabling efficient and accurate protection of the maritime borders.

The capability (with separated transmit and receive antenna arrays) utilizes advanced signal processing. The VHF-OTHR system provides outstanding performance for the included system components:

- Fast and accurate software beam-forming,
- “Quiet” and low-noise non-interrupted Frequency-Modulated Continuous-Wave (FMCW) operation mode. This mode allows continuous system operation which provides extremely long ranges without blind zones, high reliability and data availability.
- Integrates with AIS, providing ship information.
- Software automatically alerts operators of any pre-defined suspicious activity.
- The system is designed using state of the art hardware and software components and operates completely autonomously

## Electronic warfare solution

SECURING YOUR MARITIME BORDERS

TECHNOLOGY TO ENABLE EFFECTIVE COMMAND AND CONTROL

### FULL CAPABILITY

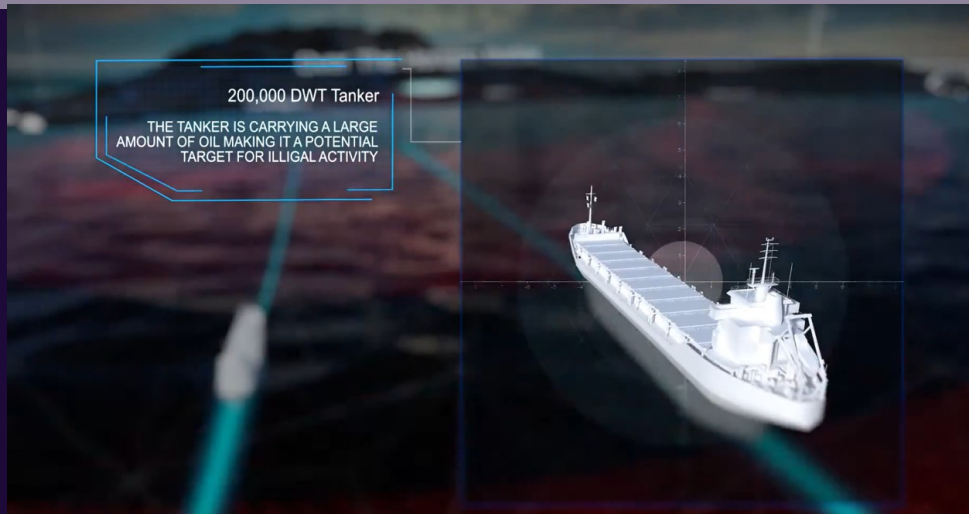
- Tracking targets at a radar level as a single source
- Fusion of data from single source receivers
- Integration of the data
- Clear visual presentation of the operational theatre
- User friendly interface
- Software enables system
- Real-time situational awareness at HQ level
- Maritime Law Enforcement









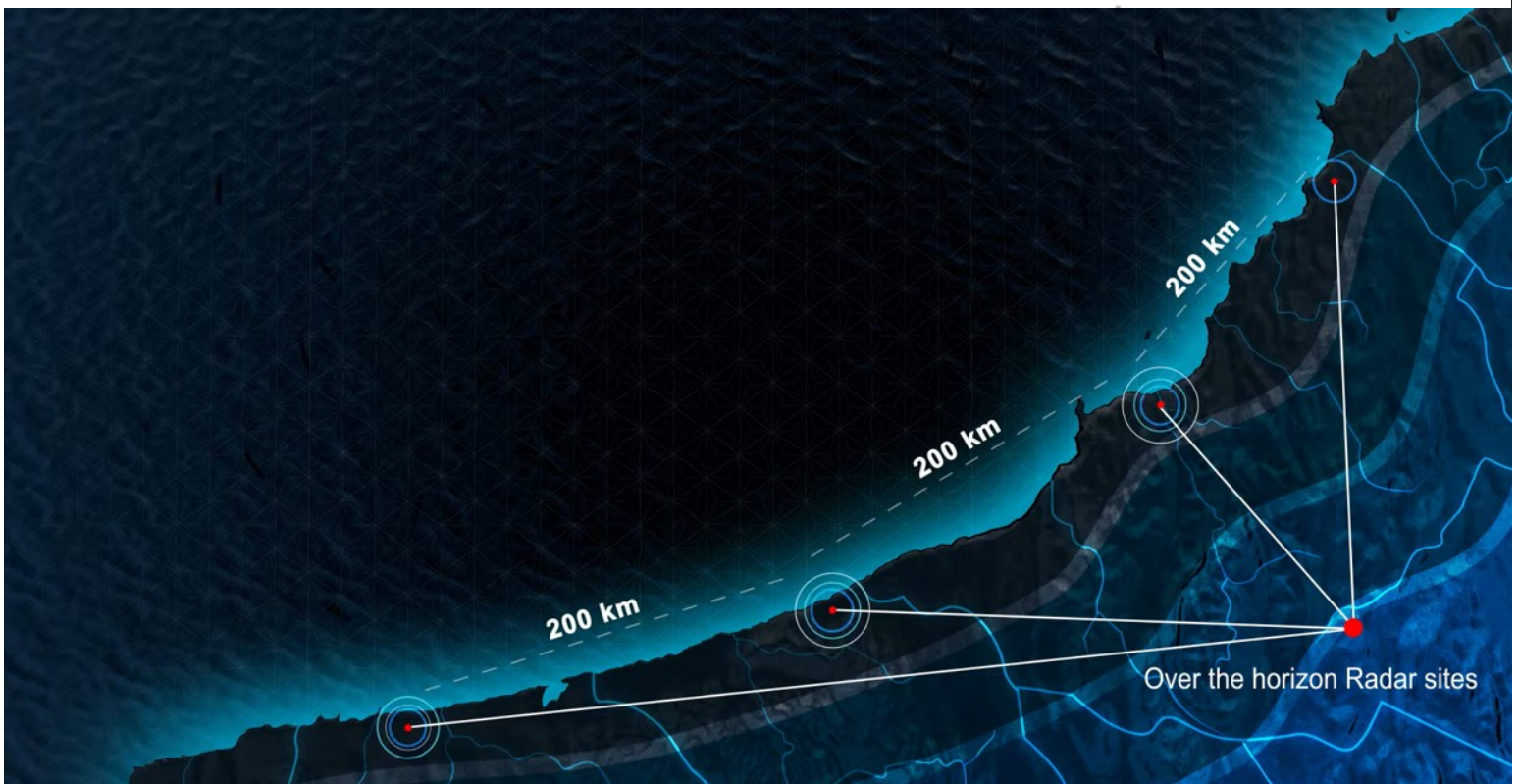
## CUSTOM SOLUTIONS

We can tailor the system to your needs and utilize surrounding geography to maximize reach of the capability and targets detection rate.



Range vs. ship size and sea state, normalized to the range for a large vessel at Sea State 3 (= 100 %)

Large vessel >200m	Medium vessel <200m	Small vessel <130m	Very small vessel <80m
 DWT 60,000 – 150,000	 DWT 10,000 – 50,000	 DWT 5,000 – 10,000	 DWT less than 5,000
Sea State 3: 100 %	Sea State 3: 90 %	Sea State 3: 85 %	Sea State 3: 75 %
Sea State 5: 100 %	Sea State 5: 90 %	Sea State 5: 80 %	Sea State 5: 50 %
Sea State 7: 90 %	Sea State 7: 80 %	Sea State 7: 70 %	Sea State 7: 30 %



Yugoimport SDPR is a global Defence industry trading company involved in the development and production of complex systems for Defence and public safety.

Today, Yugoimport SDPR appears on the international Defence market as a supplier and integrator of the capabilities across the world. This includes delivery of latest state-of-the-art digital technology to enable Defence forces and civilian security agencies to achieve their outcomes.

With its long-term experience gained through continuous presence on the international defence market, Yugoimport-SDPR has proven itself as a reliable supplier. As a key part of its business strategy Yugoimport SDPR has set a goal to support local industry players by engaging them and helping to establish their new sovereign capabilities and upgrade their offering at the local markets.



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