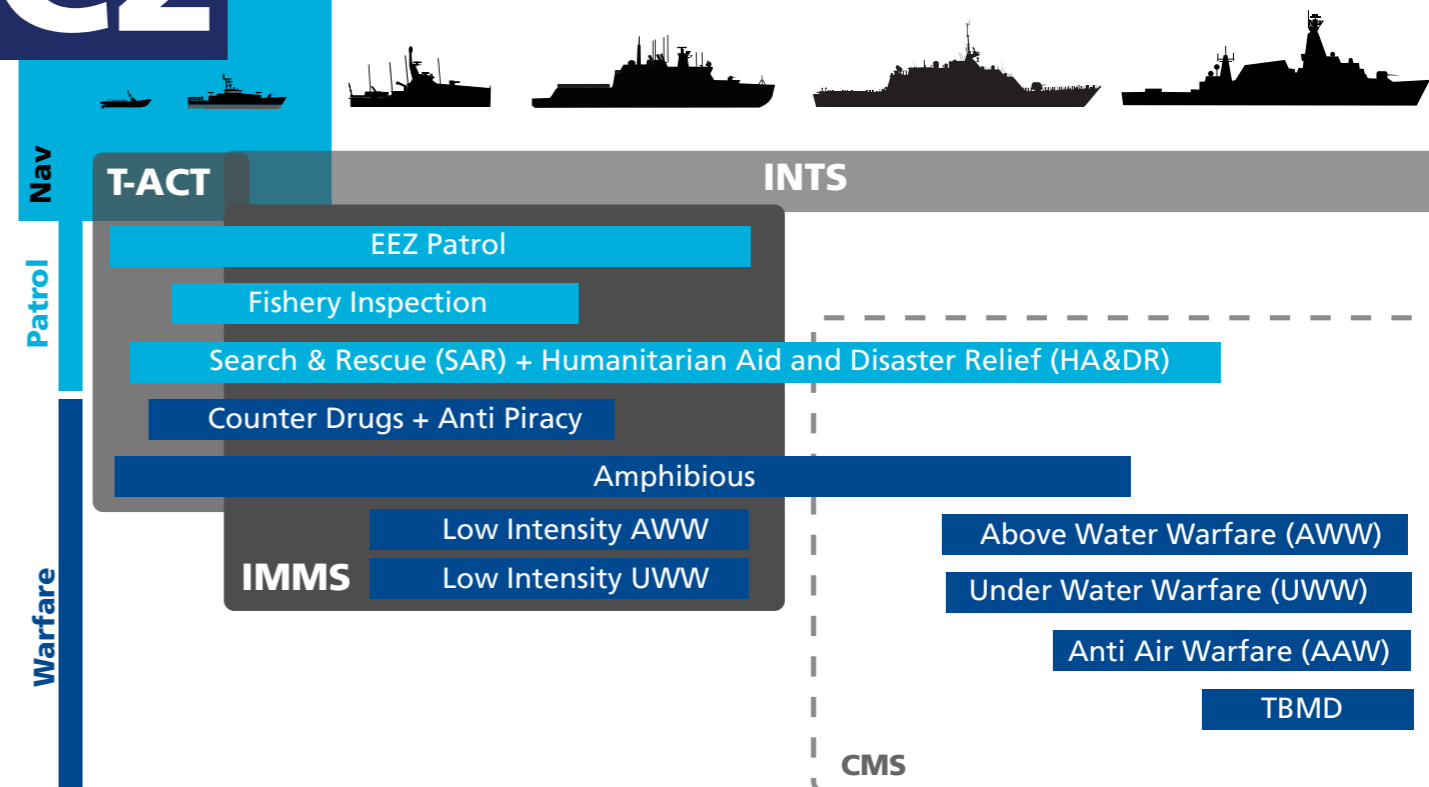# T-ACT

Tactical Asset Control & Tracking
for Naval and Maritime Security Operations

T-ACT

OSI Maritime Systems delivers advanced navigation and command and control systems to address the growing need for enhanced real-time situational awareness for military and security applications. T-ACT is a versatile and fully scalable maritime and shore-based security solution utilizing terrestrial communications:

- Designed to allow the military or maritime security users to track and control a wide variety of vessels or assets
- Uniquely addresses the demands posed by numerous operating scenarios, including Maritime Interdiction Operations (MIOPS), Amphibious Operations, Port Security and high-speed Littoral operations
- Fully scalable with fixed ship, shore, vehicle, vessel, aircraft or portable systems
- Enables close command and control in high-tempo situations
- Deployable in sea, air or on land-based units

C2

Nav

T-ACT INTS

Patrol

EEZ Patrol
Fishery Inspection
Search & Rescue (SAR) + Humanitarian Aid and Disaster Relief (HA&DR)
Counter Drugs + Anti Piracy
Amphibious

Warfare

Low Intensity AWW
IMMS Low Intensity UWW

Above Water Warfare (AWW)
Under Water Warfare (UWW)
Anti Air Warfare (AAW)
TBMD

CMS

Navigation

Dedicated High-Speed Navigation tools are required for RHIBs, LCUs, hovercraft, combat boats

Patrol

Small craft need basic tactical features (such as data sharing) to execute

Low-Intensity Warfare

Combat boats, LCUs and (SF) RHIBs need C2 aids to execute low-intensity warfare missions

T-ACT is highly adaptable and can be used throughout a multitude of operational scenarios. Robust in design and cost-effective through considered use of COTS equipment, providing a real alternative to other proprietary and often expensive solutions.

A Versatile & Fully Scalable Solution

Employing data-rich situational awareness, ship or ashore station operators can conduct missions ranging from routine port operations and surveillance to complex Maritime Interdiction Operations (MIO).

Based on an open, flexible architecture, T-ACT can be installed alongside existing legacy equipment or as a standalone item. This flexibility allows control of small craft operations to be monitored from the optimal location.

In addition, T-ACT builds on the already proven and in-service OSI Maritime ECPINS® Warship, a fully developed Warship ECDIS (WECDIS), which offers surface and submarine solutions certified to the NATO WECDIS STANAG 4564.

T-ACT, feature-rich system, versatile and scalable:
- Add-on to existing ECPINS software
- Secure Blue Force Tracking and messaging
- Easy transmission of mission-critical information
- Custom GUI for small craft operations
- Based on COTS hardware designed for open maritime environment
- Fully scalable with fixed ship, shore, vehicle, vessel, aircraft or portable systems
- Suitable for a wide range of operations including MIOPS, boarding operations, force protection & EEZ Enforcement

MIL-SPEC TOUGH DIPLAY
- **Stand Alone or Flush Mount**
- **From 15" sealed and up**
- **IP68, high durability**
- **IEC 60945 certified**
- **Night Vision compatible**

T-ACT PROCESSOR BULLET
- **Rugged anodized aluminum enclosures**
- **Hosts WAIS + ECPINS processor**
- **Mil-spec connectors**
- **Can be mounted in any orientation / location**

RESPONSIVE JOYSTICK FOR MAXIMUM CONTROL
- **Ergonomic pointing device**
- **Functions as a secure handhold**
- **Designed for use with gloves**

Display   Joystick   Processor

The heart of small craft operations

Capable of deployment across a wide range of platforms, T-ACT provides a significant increase in operational effectiveness through enhanced situational awareness, increased navigational safety and a simple but robust communications network that allows effective C2.

T-ACT enhances small craft operations by providing the capability for the Command to brief small craft crews onboard and quickly provide the operational plan to the small craft system via a secure link. This removes the risk of misinterpretation or the need to connect external hardware to allow data transfer. The small craft can also be monitored by Command during the execution of its mission in 'real time' through the use of "Blue Force Secure Tracking" or standard AIS.

Scenerios

RCN
- 2010 Olympics Port Protection

SPECIAL FORCES
- Tactical RHIB Units

ROYAL MARINES
- 30+ Small Craft

RAN
- 2x LHD + Multiple LCU + Small Craft

RNLN
- LPD, 5x LCU

RN
- 4x OPV, Small Craft
- 2012 Olympics
- 25+ Port Protection

SAN
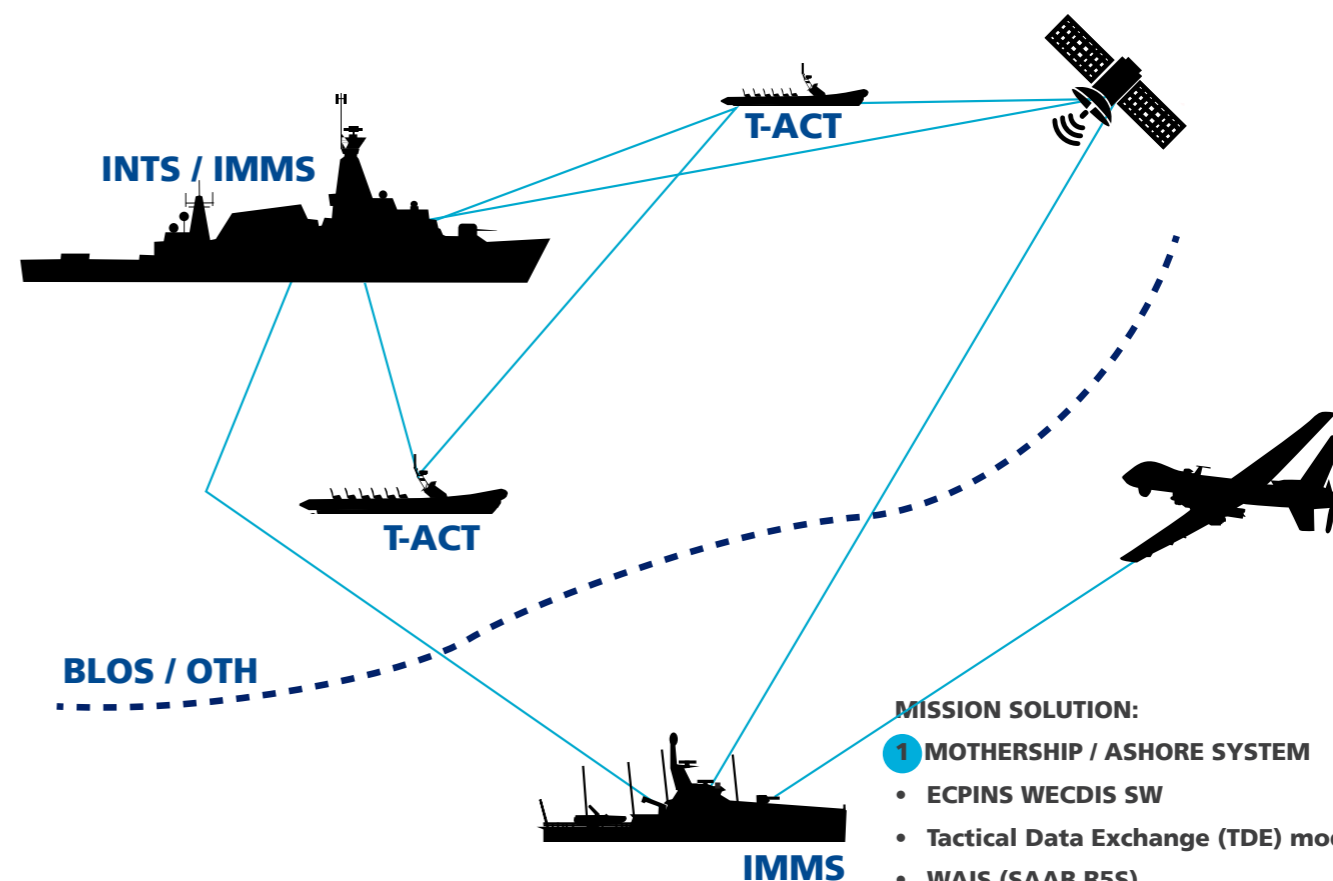- 3x MIPV
- Small Craft
- Hydorgraphic Vessel

USN + USCG
- 20+ LCUs, 50+ SSC, 12x Patrol Boat

Information Driven
Operation

INFORMATION DRIVEN OPS
- 2-way Tactical Data Exchange
- Shared common operational picture (COP)
- Beyond Line Of Sight (BLOS) by SATCOM or
- BLOS by VHF relay / re-transmit within network
- Boat-to-boat relay

INTS / IMMS

T-ACT

T-ACT

BLOS / OTH

IMMS

MISSION SOLUTION:

1 MOTHERSHIP / ASHORE SYSTEM
- ECPINS WECDIS SW
- Tactical Data Exchange (TDE) module
- WAIS (SAAB R5S)

Plus

2 SMALL-CRAFT SYSTEM
- ECPINS Small-craft SW
- Variant of ECPINS Warship
- Display, (all weather), Joystick, Processor
- Panel PC (optional configuration)
- WAIS
- GNSS
- Antenna