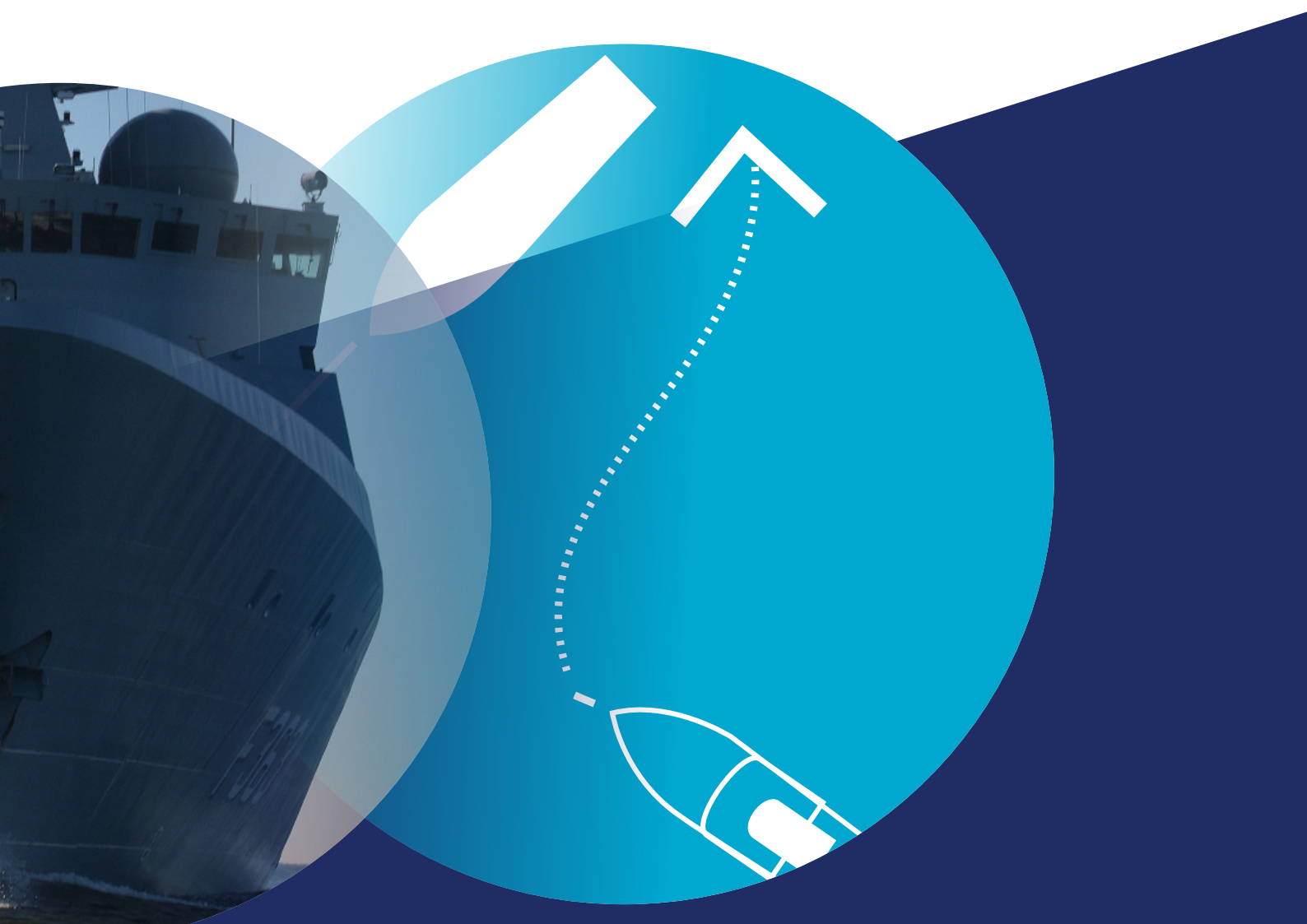Collision Avoidance Decision Aid

ECPINS - CADA

The Enhanced COLREGs Solution

Revolutionizing Maritime Safety
CADA - Collision Avoidance Decision Aid

OSI's CADA stands at the forefront of maritime autonomous technology, combining cutting-edge AI to apply the International Regulations for the Prevention of Collisions at Sea (COLREGs) and elevate decision making processes. Seamlessly integrated into OSI's ECPINS products, CADA optimizes situational awareness for navies worldwide.
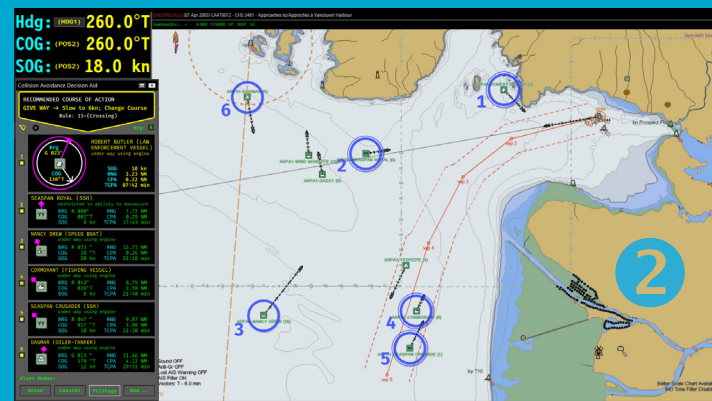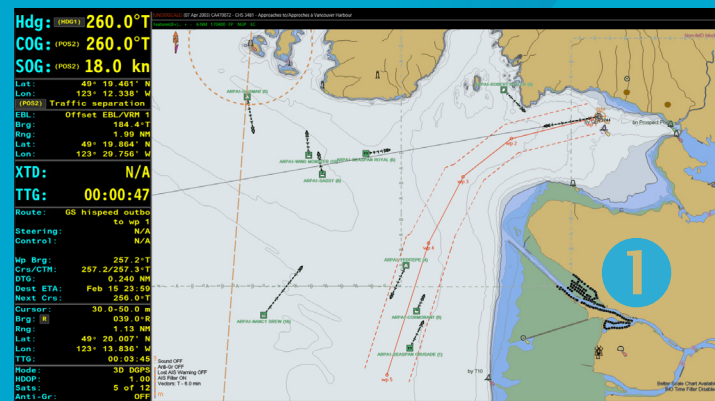
THE EXPERIENCE

TRUSTED TECHNOLOGY
ECPINS revolutionized warship navigation by integrating ship's sensors and electronic charts to provide unprecedented situational awareness.

INTUITIVE INTERFACE
Using ECPINS, CADA employs state-of-the-art AI to apply COLREGs and make assessments for priority contacts.

Bringing Safety to the Bridge

- **Enhanced Safety:** Augmenting human decision-making with AI-driven insights, CADA identifies priority contacts and recommends courses of action in accordance with the COLREGs.
- **Regulatory Compliance:** Compliant with International Maritime regulations, CADA helps navies maintain operational readiness.
- **Global Reach:** Available for navies worldwide, CADA offers scalable solutions adaptable to diverse maritime environments.

Human Error and Collision Statistics

Human error remains a significant factor contributing to maritime accidents, accounting for approximately 80% of collisions at sea. With CADA integrated into ECPINS and applying the COLREGs, navies can substantially mitigate these risks, fostering safer maritime navigation globally.

Leveraging Technology to Reduce Cognitive Load
Aligned with Degree One of the International Maritime Organization's autonomy levels, CADA paves the way for incremental automation in maritime operations. From basic collision avoidance to fully autonomous navigation, CADA charts your course to a seamless transition toward safer and more efficient maritime practices while adhering to COLREGs.
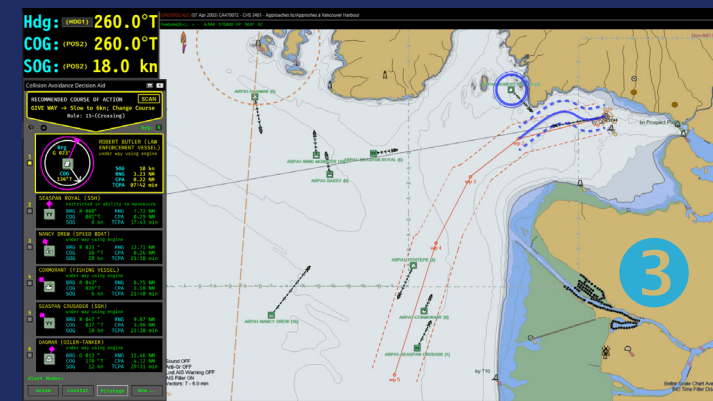
- **Advanced AI Algorithms and Predictive Modeling:** Employing state-of-the-art AI, CADA analyzes vast amounts of maritime data in real-time, enabling proactive collision avoidance strategies using COLREGs.
- **Customizable Solutions:** Tailored to unique requirements, CADA offers adaptable solutions for various vessel types, operational contexts, and geographic regions.
- **User-Friendly Interface:** With an intuitive interface, CADA seamlessly integrates into OSI's ECPINS, ensuring ease of use and rapid adoption while promoting compliance with COLREGs.

DYNAMIC RISK MANAGEMENT
Navigate complex environments with confidence to achieve mission success.
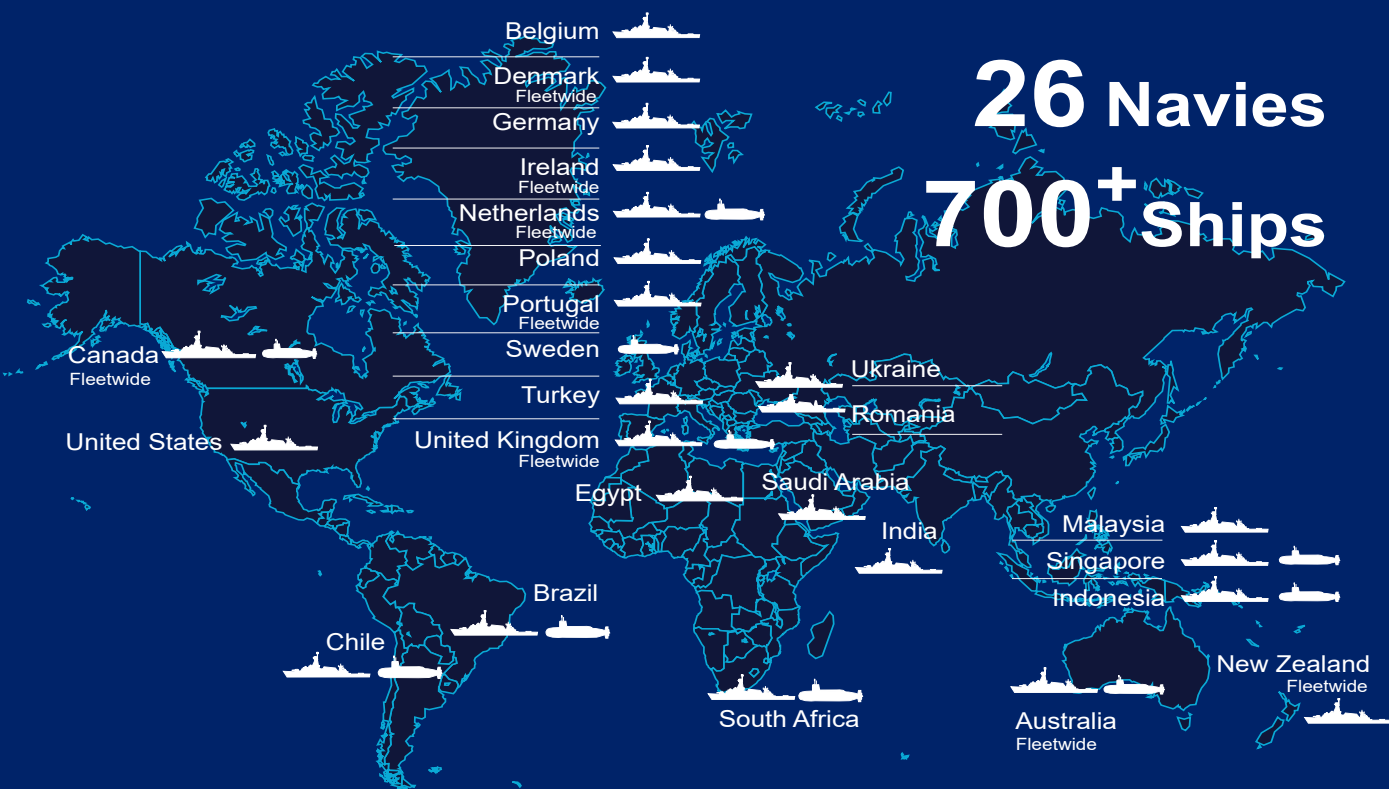

DECISION SUPPORT
CADA offers solutions based on operator inputs for consistent and professional manoeuvring in accordance with the COLREGs.

Proven OSI Performance: Extensively tested, CADA delivers tangible results in enhancing maritime safety and operational effectiveness while adhering to COLREGs.

Expert Support: Our dedicated team of maritime autonomy and navigation specialists provides comprehensive training, technical assistance, and ongoing support.

Future-Ready Solution: Aligned with Degree One of the International Maritime Organization's autonomy levels, CADA paves the way for incremental automation in maritime operations. From basic collision avoidance to fully autonomous navigation, CADA charts your course to a seamless transition toward safer and more efficient maritime practices while adhering to COLREGs.

CADA

26 Navies
700+ Ships

Belgium
Denmark
Fleetwide
Germany
Ireland
Fleetwide
Netherlands
Fleetwide
Poland
Portugal
Fleetwide
Sweden
Turkey
United Kingdom
Fleetwide
Egypt
Canada
Fleetwide
United States
Ukraine
Romania
Saudi Arabia
India
Malaysia
Singapore
Indonesia
Brazil
Chile
South Africa
New Zealand
Fleetwide
Australia
Fleetwide

8 Navies Fleetwide   **18** Classes Submarines

OSI Maritime Systems

www.osimaritime.com
info@osimaritime.com

400-4585 Canada Way
Burnaby, BC, V5G 4L6
Canada

Telephone:+1 778-373-4600
Fax:+1 778-373-0027

9-10B Dragoon House
Hussar Court, Waterlooville
Hampshire PO7 7SF
United Kingdom

Telephone: +44 (0) 2392 256 316