



X-STARS

C2 - C4I - COMBAT MANAGEMENT SYSTEM

Scalable Tactical Awareness Reconnaissance Software

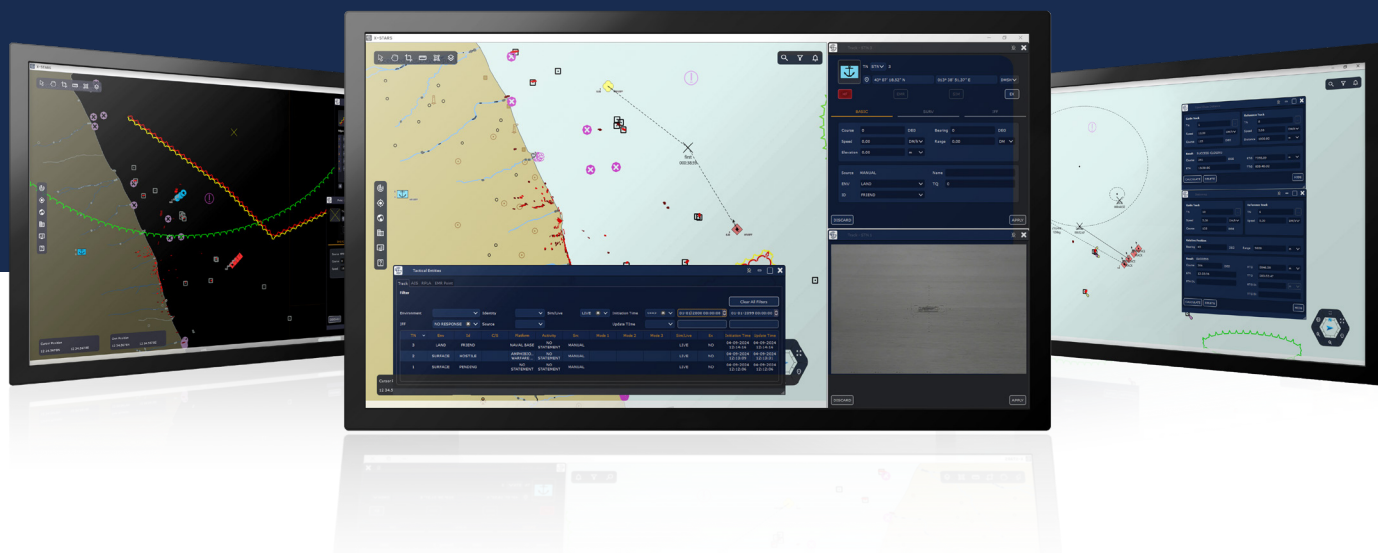
X-STARS is the ICS' **Scalable Tactical Awareness Reconnaissance Software suite** designed for **military applications** compliant with **OACE standard**. The **scalability approach** allows **modular multi-mission, cross-platform configurations** (Naval, Vehicles, Shore-Based), such as **Command and Control (C2 - C4I)**, **Naval Combat Management System (NCMS)**, and **advanced fire control system (FCS)**. X-STARS also offers the **TEWASA software module**, performing **Threat Evaluation, Weapons Assignment, and Sensor Allocation** when integrated into complex combat systems and remote weapons stations.

X-STARS HMI, designed according to **MIL-STD-1472**, integrates **advanced control technologies** to process,

fuse, and classify tracks from different sensors (Radars, EOS, Tactical Data Link, AIS/WAIS, IFF, etc.) and compiles a **useful-easy-to-understand Tactical Picture**, providing the **complete Situational Awareness Scenario** at first sight, allowing **immediate preventive and corrective actions** to be planned or executed according to the assigned mission. It includes **AI-assisted support** for **effective decision-making** with **accurate, complete, and timely information** for the military's operational Chain of Command. The **OACE open architecture** assures **high availability, easy integration of existing or future-added external systems and sensors**.

KEY STRENGTHS

- Anti-Surface Warfare (ASuW)
- Anti-Air Warfare (AAW)
- TEWASA management
- STANAG 2019 APP-6(C) compliant
- Alarms Management
- Platform sensors monitoring and control
- Training & Simulation
- Multiple operators access database
- Operator role management
- Sensors data and coverage information display
- Tactical picture compilation and evaluation
- Multi sensor tracks fusion and display
- Video windows from EOS
- Radar video overlay
- Layered architecture
- Track history data and primary tracks database
- AI threat assignment to track
- Visual Enhanced Track data information
- Recording and Replay
- Electronic Log Book
- Middleware with large use of computing COTS
- Several digital maps format supported
- GIS capabilities with tactical drawings and on-map filtering



INTEGRATION CAPABILITIES

- Remote Weapon Systems
- Fire Control Systems
- Electro Optical Systems
- 3D Radar and IFF
- RESM & CESM
- Tracking and Fire Control Radars
- Navigational Sensors
- Target Designation Systems
- Tactical Data Links (NATO and non-NATO)
- Cybersecurity Suites

X-STARS HARDWARE

X-STARS software suite is designed to **run indifferently on Windows or Linux operating systems**. The **large deployment of computing and networking COTS** according to **OACE philosophy** has been maximized in the system development to assure **long-term system maintainability, cross-platform commonality**, and the **easiest and fastest possible maintenance**. It is a **perfect match when running on X-MILCON (Military Console)** in complex systems.



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