



# ECPINS® W



MILITARY

## → The Surface WECDIS Solution

Offshore Systems, a pioneer of Electronic Chart Display and Information Systems (ECDIS), is a market leader in marine navigation. For over two decades, Offshore Systems has provided a history of safe navigation that has resulted in increased operational efficiencies for fleets worldwide.

Our **Electronic Chart Precise Integrated Navigation System (ECPINS®) Warship (W)** is an International Maritime Organization (IMO) Approved ECDIS that meets the NATO WECDIS STANAG 4564. It is designed for the harsh, time critical environment of military navigators. Each feature has been enhanced by customer comments and experience.

ECPINS W was developed solely for use on military vessels designed to enhance situational awareness and improve navigational safety. It enables military navigators to navigate in the most challenging conditions and conduct mission-critical work with success.

Navies worldwide have made ECPINS W their choice for warship ECDIS because of the advanced features and Offshore Systems' extensive experience in warship navigation. As a result, the ECPINS W is the fleet standard for many NATO and allied navies including Canada, UK, Australia, Denmark, Portugal, Norway and New Zealand.

The ECPINS W provides our customers with a comprehensive list of navigation and safety features.



OWNSHIP WITH GHOSTSHIP SHOWING NAVIGATIONAL TOOLS

### KEY FEATURES & BENEFITS

#### Compliance

- IMO Approved ECDIS
- NATO WECDIS STANAG 4564
- US Navy ECDIS-N

#### User Friendly

- Designed for military navigators
- Flexible licensing for fleet wide use
- Up to eleven screen configurations

#### Intuitive Chart Display

- All common vector and raster chart formats ("multi fuel")
- Multiple charts on screen integrate into a single "mosaic" display with no borders or seams – creating an unspoiled, complete map
- Multiple color selections for effective day and night use
- Easy to view with automatic chart de-cluttering based on display scale

- Auto-contours generation using Vector format chart data

#### Precise Situational Awareness

- View key ship information quickly and conveniently on the screen display
- Allows quick reference check from the screen, allowing the user to remain focused on vessel safety and other bridge activities

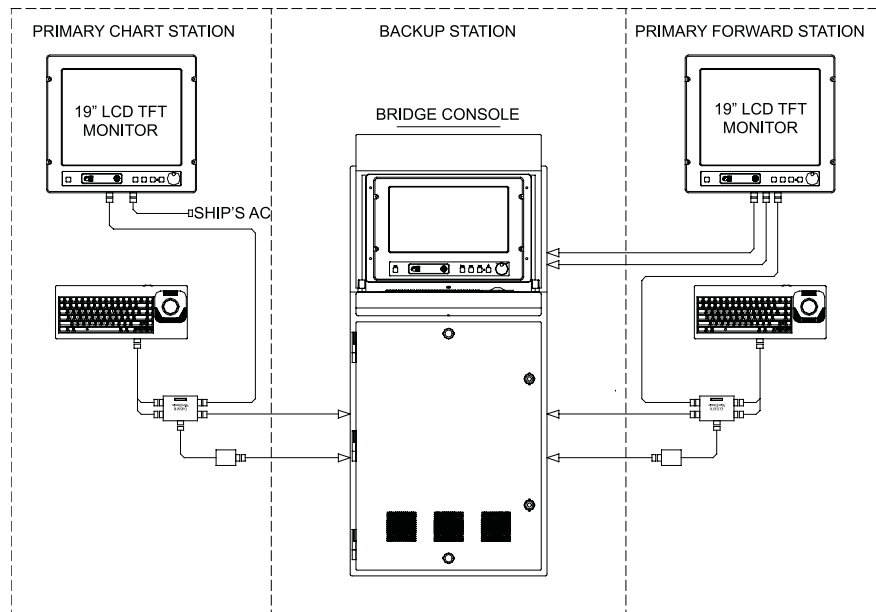
#### Enhanced Features

- Optional radar interface, for immediate correlation between radar contacts, charted objects, ARPA, AIS and Command System tracks
- Operational and Tactical features including, Target Motion Analysis, advanced operator contacts, advanced 'drawing tool kit' and Weapon Safety Arcs



### ADVANCED NAVIGATION FEATURES

- Radar Image Overlay
- User defined privileges
- Conduct mission planning by preparing routes, setting action points, scanning for known hazards and create electronic chart objects and AMLs
- Automatic Identification System (AIS) display includes ECPINS® display both static and voyage AIS data, AIS targets display scaled dimensions, minimum keyboard display (MKD) allows for complete AIS setup and control from ECPINS® console
- Creation of Moving Havens In Accordance With ATP 18 – {NATO Document}
- Record and review voyage data using the 24 hour 90 day voyage data log
- Maneuver with precision using custom scaled ship shapes and multiple motion vectors
- Employ military navigation techniques such as bearing and radar lattices, bottom contour fixing, use of advance and transfer visual fixing by LOP, HSA, VSA, Radar Range, or Transits
- Monitor, assess and change planned routes before, during and after execution, using anti-grounding functions, predictive positioning indicators, bearing lines and alarms



### ABOUT OFFSHORE SYSTEMS LTD.

Offshore Systems is a leading provider of marine electronics solutions. The company offers broad and versatile product lines including electronic chart systems for navigation and situational awareness, voyage data recorders and system components for bridge electronics.

Over the years, defence and commercial customers have relied on Offshore Systems for its extensive experience and expertise in bridge and sensor integration with real-time display of electronic charts.

### WORLDWIDE SUPPORT & SERVICE AND INSTALLATION NETWORK

Offshore Systems is dedicated to providing customers with best in class customer support, service and installation. Our 24/7 support line provides customers with the peace of mind that an Offshore Systems technician stands ready to support their queries.

We have a qualified team of professionals to assist with service, installations, required annual surveys and re-certifications.

Our worldwide network of Offshore Systems personnel and leading partners are available to service customers from any location in the world.



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