TNL

The Navigation Leaders.

YOUR BRIDGE, OUR MISSION

BRANDS

MARLINK ABOVE AND BEYOND

JRC

ALPHATRON Marine

Raytheon Anschütz

SIMRAD

Safebridge a MINTRA company

POLE STAR

FLIR

Intellian

VINGTOR STENTOFON by ZENITEL GROUP

HATTELAND TECHNOLOGY an EMBRON Company

ACR ocean SIGNAL

KONGSBERG

AMI MARINE

Highlander

Pontos

C-MAP

JOTRON Performance for Life

SKIPPER

HEADWAY

STANDARD HORIZON

fulcrum maritime systems

LILLEY & GILLIE EQUIPMENT

LARS Thrane communication systems

motorola

em-trak

DEIF

Actisense

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QUALITY POLICY

TNL Group is committed to a quality policy that ensures that the distributed products and services meet the Shipping Industry Standards. Our provided level of quality is reflected on the competence of our people to handle demanding cases and to provide feasible solutions under all conditions.

TNL Group is accredited with the world's most distinguished quality management standard certificates – ISO 9001, 14001, 22301, and 27001. They are based on a quality paradigm that centers around customer excellence, environmental consciousness, business continuity, digital security, the business processes employed, as well as continuous and steady improvement.

ISO 9001
BUREAU VERITAS
Certification

AXIA CERT
ISO 22301:2019

Q-CERT SAFE
CERTIFIED MS - ISO 14001

AXIA CERT
ISO 27001:2013

TECHNICAL SERVICES

Service on Board

Our duly trained and experienced engineers travel globally to provide end-to-end touch-the-vessel technical services. Installations, maintenance and repairs are on our daily schedule. Our technical team is also certified by the vast majority and the most prominent of the IACS Classification Societies to provide Annual Radio (GMDSS) Survey and VDR/S-VDR Annual Performance Tests for a long list of manufacturers.

Worldwide Coordination

TNL Group provides Technical support on a 24/7 basis. As a "Single Point of Contact", TNL will respond promptly to any service inquiry and can be reached at **technical@tnlcom.gr** Coordinating through our extensive global network of approved and authorized partners, TNL can arrange a service attendance for almost any marine electronic equipment unit almost at any port around the world. Our Quality Standards ensure that the appointed technical company carries all needed assurances to undertake the job and work towards a successful outcome on board your vessels.

24/7 Remote Troubleshooting

Our 24/7 technical support team handles your call from the time it is received to the time the issue is resolved. Our priority is to get the right expertise quickly matched to the issue to provide the answers you need. We are committed to providing a first response the soonest possible.

To reach our Support Team please click the button below or write an email addressed to: **technical@tnlcom.gr** or, in case of a high emergency, get directly in contact over the phone dialing the number **+30 210 4121 566**

LET'S BRIDGE THE WORLD

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JMR-9200 / 7200

JAN-9201 / 7201

MFD RADAR & ECDIS

Following many decades of navigation experience and with a wealth of feedback from vessel owners, navigation officers and training institutions around the world, JRC introduces the latest, all-new Multi-Function Display (MFD). Underneath the beautifully designed units, the MFD is packed with powerful components that give you smooth graphics, fast processing and all-round serious performance.

The MFD operating system can simply be used as a basic unit for radar, ECDIS or conning or can be extended with the most demanding applications. From standalone models with 19 or 26-inch displays to black box configurations with JRC's original QWERTY keyboard complete with all the interfacing necessary. Regardless of how you use it, or which product you select, it all has been designed with a standardized form factor which allows easy assembly and repair, smart production, logistical savings, upgrades and more.

JRC JMR-5400 SERIES

The high performance JMR-5400 radar significantly improves short range detection and target discrimination on high brightness displays with intuitive icon-based operation.

The system runs on the latest signal processing technology designed by JRC, allowing radar images to effortlessly run faster and more efficiently than ever before. With this fully in-house developed radar, we can guarantee a clear radar image with clear targets even with rain and rough sea. By adding the proprietary optimization technology to the automatic clutter removal function, image discrimination at close range has reached a whole new level.

The JMR-5400 radar series is available with a wide combination of scanners, including the latest radar antenna scanner unit, bird detection antennas and solid-state radar antennas.

JCY-1900/1950

The JCY-1900 is, black box designed, uses JRC's own designed and fabricated, reliable, marinized hardware, with an easy IP based format, purposely designed for our VDR. Newly designed for the JCY-1900 is the 7-inch color LCD touch display which allows full system operation. Displaying various VDR alerts with detailed information, see what sensors are connected including status, view the latest recorded image data of radar and ECDIS and playback of audio tracks recorded from microphones.

REMOTE MAINTENANCE SYSTEM (RMS)

When the crew on board experiences equipment errors, JRC/Alphatron Marine can login remotely with the new Remote Maintenance System. Using the data from the VDR (JCY-1900) the technical specialists can troubleshoot and assist in solving the problem 24/7 from a safe distance. This way our customers are ensured of safe remote assistance when required and limit their operation downtime.

SMART SHIP VIEWER (SSV)

SSV Mobile (Smart Ship Viewer Mobile) is a new application for (mobile) smart devices that can be combined with our J-Marine NeCST. With this application, you can easily receive and share emergency information from the ship to a safe work environment at the office or home, to support, make a quick response and the right decision. This ship monitoring service allows you to browse through the movements of managed ships and the status of JRC equipment. It contributes to efficient navigation management and avoidance of unexpected equipment problems.

JLN-740/741

The JLN-740 series is a single axis water SDME compliant with the IMO MSC.96 (72) standard, required on all internationally voyaging ships exceeding 300GT. Boasting never-before-seen accuracy for speed measurement, the JLN-740 is also installed with JRC's proprietary bubble detection function, which informs you when measurement accuracy is impaired due to air bubble contact.

OPTIMUM FLEET EFFICIENCY

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JUE-87

The JUE-87 is a highly reliable mobile satellite message communication system, having the ability to handle all messages type, just as easily as distress and safety communications. The new messaging unit features a high brightness color LCD with an extra wide viewing angle.

JSS-2150/2250/2500

The JSS-2150/2250/2500 MF/HF Class A DSC radio equipment features an intuitive user interface and advanced modular design that allows for a flexible installation approach. The MF/HF has Digital Selective Calling (DSC) as standard with a built-in 6-channel DSC watch-keeping receiver. You can transmit and receive digital selective calls for quick and efficient establishment of distress, urgency, safety and routine communication with other ships and coast stations.

JHS-800

The new 5-inch touch screen controlled Class A VHF radio (JRC model JHS-800S) featuring a uniform, corporate design with manual-free operation. The all-in-one unit (control unit with speaker, transceiver and DSC) has high sensitivity performance, Hi-fi output and protection rate of IP56. The JHS-800S even has a Bluetooth interface integrated for connecting to an external wireless speaker microphone.

JHS-183

The JHS-183 is an important piece of navigation equipment for collision avoidance and maneuvering, featuring an all new display and a transponder designed for long range reception. The JHS-183 incorporates many display modes readily available on a highly visible 4.5-inch LCD display, which is fully dimmable and backlit keys. The JHS-183 incorporates a function that recognizes own group vessels.

NCR-333

The high-performance NCR-333 NAVTEX integrates a high visibility LCD display, shares the same simple configuration as its predecessor and contributes to improved safety at sea. The NCR-333 allows you to select and deselect certain types of information and coastal stations with the purpose of avoiding repeat broadcasts. JRC offers an optional, dedicated active antenna that can be connected directly to the NAVTEX receiver.

JLR-8400/8600

Both JLR-8400 and JLR-8600 are reliable and accurate GPS navigators which carry the same JRC DNA with uniform design and intuitive, trusted operation. Combined with the new multi-GNSS sensor you are ensured of accurate positioning without compromise. The compact JLR-8400 GPS navigator is compatible with Multi GNSS and will provide accurate position data even in Arctic area, without SBAS and beacon. The new JLR-8600 GPS navigator combined with our trusted 6.5-inch touch display will locate your position with high accuracy.

JUE-251/501

The new generations JUE-251/501 continues the success of its predecessor, featuring a reliable industry standard interface and an advanced network router in a compact design. By adapting to the latest technologies, the size of the antenna is slightly reduced and has a weight reduction of 40% - while keeping it robust and easy to install. No gyro or GPS input is required and it benefits from having no cable under the antenna.

JLR-21/31

The JLR-31 GPS compass continues the success of its predecessor, reaching a new level of performance and stability with many new features and enhancements. This system is also known as a 3D Dynamic Sensor™, which is designed to provide highly accurate information of the ships movement in all axis. The JLR-31 has heave functionality built-in as standard. In rough ocean conditions (with high waves), the GPS compass can correct up and down (attitude), movement.

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ALPHATRON Marine

Alpha MidiCourse MK2

The AlphaMidiCourse Mk2 is highly reliable, has an enhanced follow-up performance and several interfacing features to connect to external equipment. A gyrocompass is a type of non-magnetic compass which is based on a fast-spinning disc and rotation of the Earth to automatically find geographical direction, true north. The AlphaMidiCourse Mk2 is designed to meet the needs of the marine market; Highly accurate performance derived from the aerospace industry, combined with a ruggedized construction in order to cope with the most severe circumstances at sea.

AlphaConnect Hybrid

The AlphaConnect Hybrid is an integrated communication system designed for internal and external two-way communication. The system is optimized for IMO/SOLAS requirements on both small and medium sized vessels. The flexible configuration of the available building blocks provides a cost effective solution for intercom, telephone, public address and loudhailing. The modern architecture offers network connection including cascading, remote service and interface to and from other IP based systems and components.

AlphaAnnounce

The AlphaAnnounce Digital is a DNV type approved high quality maritime Public Address and General Alarm (PA/GA) system in conformity to SOLAS/IMO and IEC regulations for vessels above 500 gross tonnage and passenger vessels. This modular solution allows officers and crew to communicate through public announcements or via various alarms in case of emergency situations. The standard system comprises of an eight-channel digital amplifier, a line transfer unit to supply 100V constant output and a back-up panel.

AlphaSSRS

The AlphaSSRS is a complete Sound Signal Reception System (SSRS) consisting of a display and antenna, designed to receive and detect foghorn sounds from other vessels and is for use onboard one-man operated enclosed bridge class ships. The display features an adjustable volume and dimmer and is highly suitable for fore and aft bridge mounting.

CONTROL YOUR FLEET,
CONTROL YOUR WORLD

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Raytheon Anschütz

Synapsis NX INS

The Integrated Navigation System (INS) integrates any relevant data and functions of onboard navigational applications and sensors. The INS manages sensor data, routes, charts, and tracks, and also performs central services of the system like an intelligent central alert management. Synapsis NX is a state-of-the-art integrated navigation system (INS), combining all relevant navigation sensors and systems in a modular, user-centered system for safer and more efficient bridge operations. Navigators benefit from less distraction, superior situational awareness, decision support and less human error risk.

Radar NX

The Raytheon Anschütz Radar NX application is designed in accordance with human centered design and requiring little or no training. Optimized grouping of data and current settings allow a superior overview and instant determination of the situation and interpretation of the radar picture.

ECDIS NX

The new ECDIS NX is an advanced Electronic Chart Display and Information System (ECDIS) in a modern, state-of-the-art design.

ECDIS NX was designed from scratch under continuous user participation, making ECDIS NX the world's first user-defined ECDIS. ECDIS NX is based on consistent user interfaces and human-centered operation concepts. Thanks to an unparalleled intuitiveness, ECDIS NX effectively supports users and contributes to safe ECDIS operation and navigation.

ECDIS NX Compact

The ECDIS NX Compact is a pre-configured system of a 24" multi-touch panel-pc and the ECDIS NX application. It offers “plug and play” installation and supports customers with unsurpassed user-friendliness and easy handling at a competitive price.

Optimized for retrofits, the ECDIS NX Compact is equipped with interfaces for Ethernet and IEC 61161-1 (NMEA).

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Raytheon Anschütz

STD-30 MF

The Hemispherical Resonator Gyroscope is a high performance angular rate or rotation sensor. The Anschütz Standard 30 MF Gyro Compass is a maintenance free gyro compasses based on this hemispherical resonator gyro (HRGs) technology. The use of HRG technology together with the simple design makes it extremely reliable with no wear and tear and no need for maintenance.

STD-22NX

he Standard 22 NX is a gyro compass, a nonmagnetic compass that uses a motor-driven gyroscope to indicate true north. Raytheon Anschütz designed the Standard 22 NX for high accuracy, reliability and operational safety even under harshest environmental conditions for all kind of ships. With interfaces for serial data, Ethernet and Bridge Alert Management it offers easy installation and integration.

Standard 22 NX is much easier to install and maintain, and provides multiple interfaces for serial data communication, Ethernet and Bridge Alert Management. Configuration, software update and diagnosis are done via webserver. Standard 22 NX can offer an unsurpassed price-performance ratio over lifetime and thus, best value for money in newbuilding and retrofit projects.

Steering Repeater

The steering repeater ensures a clear indication of the heading information by using a 360° and a 10° compass card. In addition, heading information is shown on a digital display. Both the analogue and the digital display provide a graduation of a tenth of a degree.

Bearing Repeater

The Bearing Repeater Compass is equipped with a 360° compass card and a digital display for heading indication. The heading source - gyro compass, magnetic compass or satellite compass - is also indicated. Bearing sights can be easily mounted on the centric adapter.

Digital Repeater

The digital repeater compass indicates heading and rate-of-turn as a tendency indication. Heading changes are indicated by a two color LED ring indicator. The speed is proportional to the rate-of-turn of the ship - a helpful indication. Heading can be read easily from different viewing angles up to a distance of ten meters.

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Raytheon Anschütz

NautoPilot 5000

Ship autopilots take over control according to a fixed course or according to a predetermined route (waypoint list). On larger ships they are integrated into a comprehensive electronic navigation system (ECDIS). NautoPilot 5000 has been specially designed for all ships of 100 m length and above. NP 5000 is the top-of-the-range Anschütz autopilot and combines best steering performance with reduced rudder activity for less fuel consumption.

PilotStar NX

The autopilot is approved as heading control system for standard and for high-speed crafts. The PilotStar NX includes latest technical developments such as Ethernet communication and bridge alert management – this makes PilotStar NX easy to integrate into various system environments. The PilotStar® NX offers superior steering performance and an extended range of functionality for day-to-day use and special applications.

SIMRAD

MARIS ECDIS900 MK15

The Simrad MARIS ECDIS900 MK15 is an IMO type approved navigation system, designed for use aboard SOLAS vessels subject to ECDIS carriage mandates such as merchant cargo ships and tankers. Easy to use with integrated 24-inch flat panel display and a standard Windows PC interface, the ECDIS900 delivers precise navigation with comprehensive route planning and optimization tools, integrated chart management and ordering, universal radar overlay, and optional highly customizable conning display.

R5000

The R5000 systems are designed for ease of use, and feature a modern interface with intuitive keypad and trackball controls or expanded control panel. Widescreen displays give operators constant access to key information, alerts, and settings without distracting from the central PPI. Each of our modular systems is based on the R5000 radar processor: a high performance 'black-box' system that connects to the radar transceiver via a thin and easy-to-route Ethernet cable. Multiple R5000 processors can be networked together to create multi-radar systems, and to provide access to radar from multiple stations. Any networked station can control any connected radar system, offering both flexibility and redundancy.

AIS V5035

The Simrad V5035 is a fully featured Class-A AIS transponder system, IMO type approved for use aboard SOLAS vessels. As a standalone solution with integrated display and included GPS antenna, junction box, and pilot plug assembly, the V5035 cost-effectively delivers a complete solution requiring only a VHF antenna to be procured separately. The V5035 offers support for multiple external sensors and integration with Simrad navigation and charting systems, external GPS receivers, radar systems, voyage data recorders and other NMEA 0183®/2000® devices.

RS20S

Stay safe and in touch with this dependable Class D DSC approved VHF radio featuring an integrated GPS receiver. The versatile RS20S is ideal for a variety of boats from small RIBs to larger cruisers, and is designed to match the low-profile style of our glass bridge displays and accessories.

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LT-3100S

The LT-3100S GMDSS system is designed for all IMO vessels and will be an alternative to the Inmarsat C, as it meets all standards and certification requirements needed for worldwide maritime satellite communications equipment (MED, Wheelmark).

The LT-3100S GMDSS system has voice and data capabilities with 100% global coverage. A single cable solution connects the control unit with the antenna unit. Using a standard coaxial cable, up to 500 meters of separation between the units can be obtained, giving freedom to mount the antenna in the best possible location, with free line of sight to the satellites. The LT-3100S GMDSS system is designed for the Iridium GMDSS Safety Services and can be used as the primary satellite communication product on vessels, covering the basic communication needs in terms of connectivity between the ship and shore.

LT-3100

The LT-3100 system has voice and data capabilities with 100% global coverage. The LT-3100 system consist of a control unit, handset unit, and antenna unit. A single cable solution connects the control unit with the antenna unit. Using a standard coaxial cable, up to 500 meters of separation between the units can be obtained, giving freedom to mount the antenna in the best possible location, with free line of sight to the satellites. The LT-3100 system can be used for crew calling or as a back-up satellite communication product. The system provides voice, SMS, data, vessel tracking, and other Iridium services with competitive airtime rates, making it the perfect satellite communication product on board any vessel.

LT-4100 CERTUS

The LT-4100 Satellite Communications System (Iridium Certus® 100) is a maritime satellite communication product from Lars Thrane A/S. The LT-4100 system is designed for the professional market but can be used for the leisure market as well. The LT-4100 system meets all standards and certification requirements needed for worldwide maritime satellite communication equipment.

The LT-4100 system has voice and data capabilities with 100% global coverage provided by the Iridium® network. Using a standard coaxial cable, up to 500 meters of separation between the units can be obtained, giving freedom to mount the antenna unit in the best possible location, with free line of sight to the satellites. The system can be used as the primary satellite communication product on vessels, covering the basic communication needs in terms of connectivity (ship to ship / ship to shore).

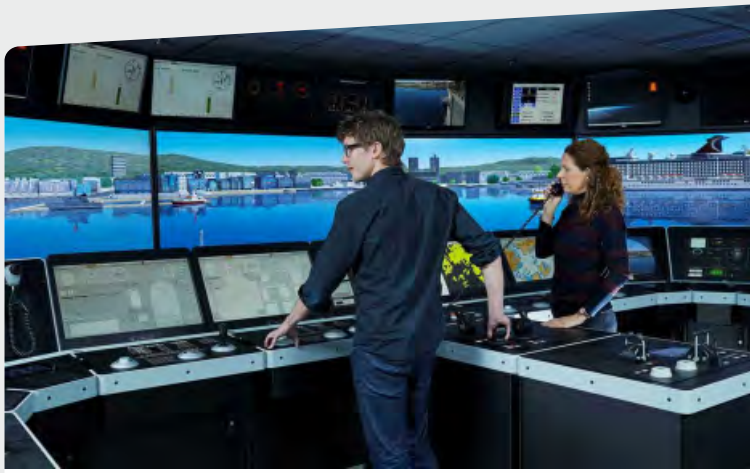
KONGSBERG

K-SIM

Kongsberg Digital provides advanced simulation systems for maritime education, training and studies. The wide range of simulators enables you to provide efficient and realistic training of students and crew in order to build vital skills that promotes safety, cost-efficiency and sustainability in operations at sea. With K-Sim Navigation, instructors and students use the latest in advanced and integrated ship's bridge simulation, giving them more realistic training scenarios and enhanced benefits. Specifically developed for the maritime education and training industry, K-Sim Navigation is certified by DNV GL and exceeds the existing STCW requirements.

The simulator provides students with highly realistic training using vessels, objects, and equipment that behave and interact as in real life thanks to an advanced physical engine and state-of-the-art hydrodynamic modelling. The sophisticated new visual system brings vessels and objects, including geographical training areas and all possible weather conditions, to life.

Used as an advanced eLearning tool, our cloud-based radar simulations application enables instructors to facilitate radar training for students, who now can practice anytime and anywhere. K-Sim Navigation provides a fully scalable range of configuration options, from a desktop version to a full mission bridge simulator. Integration of other simulators opens for more training scenarios You can easily integrate K-Sim Navigation with K-Sim Offshore and other simulators from Kongsberg Digital.



AIS 300BF

The AIS 300 is our 4th generation AIS class A mobile station designed to be fully integrated in a ship's bridge environment. An improved receiver sensitivity of -115 dBm gives an increased range compared to AIS units with the standard sensitivity of -107 dBm. The AIS 300 is tested and approved in accordance with international regulations (Wheelmark). All operations and functionalities are handled from the ECDIS in an integrated bridge system.

The AIS 300 is hence type approved with ECDIS from different manufacturers and brands, in order to avoid installing a redundant display/keyboard. If the AIS Unit is not to be fully integrated, an external display is provided.

BRIDGE INTEGRATED PORTFOLIO

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VINGTOR STENTOFON
by ZENITEL GROUP

SPA-V2

The SPA-V2 system is specially designed to meet the demands for a cost-effective Maritime Public Address system.

The system is available in various versions and offers a set of standard and optional features which covers the requirements for a marine Public Address and General Alarm system for all types of vessels.

The SPA system is an integrated type approved PA and GA solution. SPA is extremely cost effective where SPA loudspeaker loops are used together with the integrated ACM units to cover areas where PA and GA are required onboard the ship.

CIS Talk-Back System

CIS Talk-Back System comes from the Phontech range of product acquired from Jotron by Zenitel in October 2018. Its design is very compact, and the performance is enhanced through the use of microprocessor techniques. It is designed according to DIN 144 standard sizes, harmonizing with our other models for console mounting. The CIS Product range has replaced the previous ETB Talk-Back system from Vingtor product range.

VSP BATTERYLESS TELEPHONE

The VSP system is independent of the installations power supply and fulfils the demands for emergency communication between vital positions. The system has a versatile range of light but robust and corrosion-resistant stations for all environments.

HATTELAND TECHNOLOGY
an EMBRON Company

Displays Series X

The Series X Multi Vision Display (MVD) range of products provides large 4K resolution display solutions to maritime IBS, Automation and Command Control system integrators. The cutting edge high definition LED display technology used, with its high quality brightness and contrast, enables the presentation of large amounts of data onto one screen instead of multiple displays.

The 4K resolution 55" Ultra-High Definition Chart & Planning table is approved for harsh maritime environments, where reliability and long life time are key factors. The 55" MVD table is a robust, flexible and ergonomic solution, suitable for a wide range of applications including ECDIS, radar, voyage planning, safety systems and tactical command & control platforms. Features include an optional 40 point Multi-touch touch interface, optical bonding, multi data input, built in On-Screen Display (OSD), full dimming and the option to be supplied calibrated for ECDIS. A mechanical pod that houses a Hatteland Display HT C02 computer (optional) provides lift and tilt capability for the Floor Stand Model (Chart Table configuration).

Marine Computers

The HTC03 models are high-end platforms with an enhanced chassis that includes external disc bays at the front. The i3, i5 or i7 processor options ensure state of the art computing performance is delivered; while the extensive feature options allow for the HTC03 to be built up to a quasi-Server capability.

By default, equipped with 2 front side bays for 2 SSDs with the option of 4 removable front side disc bays, onboard raid, M.2, 4 PCI-e slots, memory up to 64GB RAM, 6 USB, 4 LAN ports, 3 Display ports (2 DP+ 1 USB-C) and more, making the HTC03 the most versatile rugged PC solution for the professional maritime segment.

OPTIMUM FLEET EFFICIENCY

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Intellian

V85NX

Intellian v85NX is a Ku-to-Ka band convertible maritime VSAT antenna system with an 85cm diameter reflector. The compact 85cm antenna's smaller footprint allows installation on smaller vessels yet still allows the system to operate on a 1-meter designed network. It is the World's First Future Proof Ku-to-Ka-band Convertible Sub-1m VSAT.

V100NX

All New 1M Ku- Ka- Dual Band GEO/MEO/LEO VSAT Terminal. Intellian v100NX is a Future proof Ku-to-Ka band convertible maritime VSAT antenna system supporting future 2.5Ghz Ka Wideband networks with a tuned radome and reflector. The 100NX's new operation platform enables GEO/MEO/LEO satellite tracking ensuring the antenna is ready for all future networks.

i2/i3/i4/i5/i6/i9

The Intellian i Series is ideal for larger yachts or commercial vessels traveling across different global regions. With its highly accurate satellite tracking capability, the i Series outperforms in all conditions. When equipped with Intellian's proprietary WorldView LNB, the i Series can operate in any global coverage area without manual intervention.

T130W/T130Q

1.25m (40 inch) Reflector Ku-band Global Satellite TV System. Intellian's t130W provides outstanding performance in an 125cm (50in) reflector with the added benefits of Intellian's proprietary WorldView Technology. This system receives SD or HD programming from any Ku-band satellite TV service around the globe without requiring LNB changes or re-wiring of the system when the vessel travels from one region to another.

OPTIMUM FLEET EFFICIENCY

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M364C

Featuring a high definition low light camera and one of the most advanced FLIR thermal imaging cores, the M364C and M364C-LR provide an elite level of awareness on the water. Both cameras use multispectral imaging to deliver exclusive FLIR Color Thermal Vision™ (CTV) technology. Color Thermal Vision blends visible camera details with a thermal image, overlaying vital color imagery that allows captains to positively identify navigation aids and other vessels within the thermal scene.

Outstanding imaging performance, intelligent object recognition technology, and enhanced gyro-stabilization make the M364C and M364-LR indispensable tools for law enforcement professionals, commercial mariners, and serious recreational boaters.

M500

The gyro-stabilized FLIR M500 cooled thermal camera is our most technologically-advanced M-Series pan and tilt camera ever. Designed around a cryogenically-cooled 640 x 512px Mid Wave Infrared (MWIR) thermal sensor, the FLIR M500 excels at both short and ultra-long range target detection and identification. It features a 14X continuous optical thermal zoom, a color HD camera with 30x zoom, an LED spot-beam, video tracking and radar integration.

SeaFLIR® 240-EP

The SeaFLIR 240-EP is the latest addition to the SeaFLIR family of maritime surveillance sensors. The system provides the same lightweight stabilized turret, HD payload options and inertial navigation capabilities, and adds Extensible Processing (EP) capabilities hosted by the system's Control Electronics Unit (CEU).

The system's CEU supports advanced image-processing like blending, Multi-Spectral Dynamic Imaging (MSX®), Adaptive Temporal Filtering (ATF) and Advanced Local Area Processing (ALAP) via a high-performance computing engine and dedicated graphics processor unit (GPU). The CEU provides up to 4 paired HDMI and HD-SDI video outputs, remote system command and control integration, and a 1 Terabyte Solid-State Drive for capturing video and images for post mission analysis.

JOTRON
Performance for Life

TRON 60-AIS

Tron 60AIS has both regular LED light and infrared light emitting diode (IR LED) incorporated. This IR LED allows the use of night vision, which better assists SAR operations that occur at night or in the dark. The Tron 60AIS can be used with the Galileo Return Link System, Europe's Global Navigation Satellite System (operational since January 2020).

TRON 40VDR AIS

The Tron 40VDR AIS with bracket is a combined Cospas-Sarsat/MED approved EPIRB and a float-free storage medium. The separate VDR storage module has a standardized memory capacity of 80 Gb. This EPIRB is compliant with the mandatory IMO regulation (as of July 2022) and SOLAS regulation.

TRON AIS-SART

The unique and innovative feature of the Tron AIS-SART is the combination of its physical size and technical capability. Technically, the Tron AIS-SART is based on the following principals; the unit will be programmed from the manufacturer with a unique ID code and receives its position via an internal GPS antenna. This data is combined and transmitted using the international AIS channels (AIS A and AIS B) in the maritime VHF band.

TRON TR30 GMDSS

Jotron's Tron TR30 GMDSS and Maritime VHF radio is an innovated "two-in-one" radio, which gives the user the opportunity to access both standard GMDSS simplex channels and full maritime duplex channels. In addition, the floating Tron TR30 GMDSS and Maritime VHF radio can be connected to an IP-67 speaker microphone or a headset with a PTT-module.

TRON TR30 AIR

Tron TR30 AIR Emergency VHF AM radio is delivered complete with a sealed emergency battery, test battery, hand strap and a holder for the radio and battery. The robust design more than meets the typical maritime requirements. The added advantage with this radio is that it floats with either battery. An innovative noise cancelling microphone filters background noise and includes a high output loudspeaker.

motorola DP1400

Dp1400 is the entry-level radio which is packed with features you would expect on higher-end equipment. As part of the MOTOTRBO family of radios, the DP1400 has superior audio quality, outstanding coverage, long-lasting battery life and more. The DP1400 features 32 channels, allowing you to create more targeted communications for the different functions within your workforce.

motorola DP4400E

With this dynamic evolution of MOTOTRBOTM digital two-way radios, you're better connected, safer and more productive. The DP4000e Series is designed for the skilled professional who refuses to compromise. With high-performance integrated voice and data, and advanced features for efficient operation, these next-generation radios deliver complete connectivity to your organization.

GlobalFix V4

Designed with high-efficiency electronics that are built for performance, the GlobalFix™ V4 GP Emergency Position-Indicating Radio Beacon or EPIRB provides the protection you can trust in an emergency. A protective key pad-cover helps prevent false activations & the user replaceable battery pack has a 10-year replacement.

S100

The SeaSafe S100 SART is designed to assist in the rescue and recovery of liferafts and survival craft. When switched on, the SART remains in a standby mode until automatically activated by an X Band Radar sweep from any vessel in the vicinity. The SafeSea S100 transmits a series of pulses which are displayed on the ship's Radar as a line of dots, providing a bearing to the survival craft.

V100

The SafeSea V100 survival craft hand portable radiotelephone meets all the requirements of the IMO for carriage on SOLAS ships. Designed to be ultra-rugged and easy to use, both on-board and in distress situations, the V100 is the ideal choice for mandatory and voluntary carriage.

STANDARD HORIZON

HX-400IS

The submersible HX400IS intrinsically safe handheld VHF is built to withstand the day-in day-out punishment in hostile commercial environments. The HX400IS is supplied with a whopping 2550 mAh Lithium-Ion battery that will keep you talking for about 17 hours. There is no need to worry about the time it takes to fully charge the huge 2550mA battery as the HX400IS is supplied with a 3-hour rapid charger. The HX400IS will surpass your voice transmissions expectations in noisy and windy environments with the built-in noise canceling microphone.

HX-300

Compact, ergonomic case design is a result of the new ultra small, large capacity 1800 mAh 3.7V Lithium Ion battery technology. This gives the radio a much smaller case design yet light enough to float face up if dropped in the water. Supplied with a USB charging cable with 110VAC adapter providing more flexibility when recharging the battery.

2080MK2

The Walker 2080 MK2 uses a Solid State Ultrasonic Wind Speed & Vane Direction Sensor, the P292. This gives high accuracy in a robust compact package, with no moving parts to wear out!

The Sensor connects directly to a standard Walker DIN 144 wind speed & direction indicator, the P1249, which gives digital displays of relative wind speed & direction. Wind direction is also displayed on a simulated analogue display by use of OLED technology.

7070

Walker 7070 Log Only is a Speed Log System providing electromagnetic log data from a single processor. This compact, cost effective system takes advantage of "state of the art" electronics to process the log sensor input, outputting digital data on a single NMEA 0183 data bus to DIN 144 data displays.

Walker 7070 electromagnetic log is designed for vessels above 500GRT, offering both forward and astern speed, with ranges from -0 to 80 knots full scale. It is suitable for vessels varying from patrol boats and ferries to liners and bulk carriers.

MK2000S

Magnetic Compass Outfit, for commercial vessels over 150GRT, fishing vessels over 35m and naval vessels with or without DG correction. Suitable for use with Lilley & Gillie (and other) Transmitting Magnetic Compass (TMC) equipment to operate repeaters, off-course alarms and outputs to navigation equipment including gyro back up.

Highlander

HLD-VDR600

It is a best-in-class recording system for the ship operator demanding superior recording fidelity and marine equipment robustness and dependability. The HLD-VDR600, used in both new builds and retrofits, is approved with MED wheel-mark and also carries CCS and RMRS certification. The whole point of recording ship's voyage data is to play it back after the events. That means not only the ship's VDR must run flawlessly round-the-clock, night and day, but to work with a reliable software tool too.

TNL
The Navigation Leaders.

HOLISTIC PROJECT MANAGEMENT

WSS700 & WSS750

Ship navigation relies on accurate, real-time wind data to capture changes in wind speed or direction, helping the crew correct the course or avoid potentially dangerous situations. This is especially true for the harshest marine environments. The DEIF WSS 750 wind sensor combined with the DEIF XDi-N indicator is a cost effective and flexible solution that meets the harshest wind measuring needs of the maritime sector.

XDI FLEXIBLE DISPLAY

Xdi - Digitalisation of traditional analogue bridge indicators, creating a compact, easy-to-install, versatile and user-friendly solution to today's bridge indicator challenges.

em-trak

A200 CLASS A

The A200 is a fully integrated AIS Class A transceiver which is both SOLAS and Inland Waterway certified for global compliance with all national and international (IMO) commercial vessel AIS regulations. A single integrated and small unit which is water and weather proof, with integrated color display. The A200 is easy to install, use, and integrate with all bridge systems as well as offering a full range of sophisticated AIS functionality.

B921 Class B

The B921 is a 2W CSTDMA Class B AIS transceiver, delivering em-trak's advanced performance and reliability through next-gen technology. Small and durable, this trusted transceiver processes all AIS transmissions in real-time, even at range limit, so you always have the complete picture and the time to respond.

Actisense®

PRO-MUX-1

The Actisense® PRO-MUX-1 is a highly flexible platform that cures many interconnectivity headaches. Reliable and robust, it provides industry leading isolation on all inputs and outputs as standard, so that connected devices safely avoid hazardous ground loops, the number 1 cause of product failure in NMEA 0183 networks.

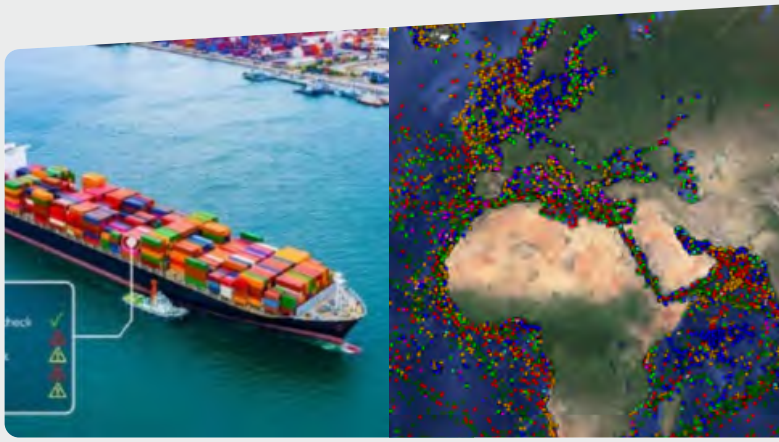
NGW-1 NMEA 2000

The NGW-1 NMEA 2000 Gateway provides an uncomplicated way to link between a boat's data networks and converts NMEA 0183 data into NMEA 2000 data and vice-versa. Multiple NGW-1 units can be used to multiplex numerous NMEA 0183 devices onto the NMEA 2000 network, using the network as a means of combining and transferring all data from one place to another.

POLE STAR

MDA

Pole Star's secure cloud-based MDA solution provides an integrated data management platform for those associated with Homeland Security to rapidly and accurately collect and correlate maritime geospatial data. Utilizing secure satellite data (including LRIT, VMS, and SSAS sources), alongside satellite and terrestrial-based AIS data, our patented tracking technology creates a hybrid track of not only your domestic LRIT vessels, but also your non-SOLAS fleet and any maritime asset operating and reporting within your desired area of interest.

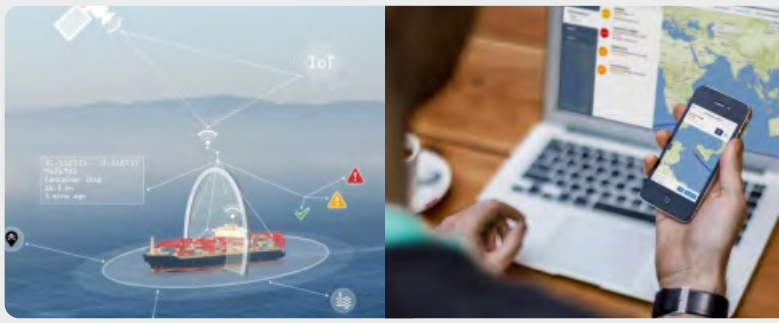


PURPLE TRAC

The sanctions landscape, inherently guided by the state of global affairs, has never been more complex and rapidly evolving. With regulators now focusing on the entire maritime trade supply chain, ensuring that proper due diligence and risk management processes are in place has never been more important. Regulatory risk can be associated with all aspects of a trade transaction: the goods being traded, the origin of the goods, the buyers and sellers, the cities and ports along the shipping route, and the shipping vessels themselves.

SSAS PLATFORM & DSAS MK2

In a security situation, rapid response is vital, so managing ship security alerts and tests with our application is both simple and fast. Developed with CSOs, DPAs, and security personnel, our Ship Security Alert System (SSAS) management solution focuses on ensuring safety above all else, featuring streamlined processes and reduced visual distractions



LRIT TEST & SIRIUS1

With more than 40,000 completed LRIT tests on behalf of global ship operators to date, Pole Star is the world leader in LRIT testing. Our system manages all aspects of the test, including terminal commissioning, satellite communications network management, post-test de-commissioning, and provides detailed test results and conformance test certificates

fulcrum maritime systems

RIT TEST

Fulcrum is a global leading company, providing maritime surveillance services, meeting IMO SOLAS regulations;

Long Range Identification Tracking (LRIT) testing service, approved for over 90 flag states, FREE restarts if first test is to fail, CTR re-issuance upon case

SAFELEARN

Safebridge offers 18 different ECDIS Type-Specific Training Courses in collaboration with twelve (12) of the leading ECDIS manufacturers in the industry, including JRC, Raytheon Anschutz, Northrop Grumman Sperry Marine, Wartsila, Tokyo Keiki, Wartsila Voyage (Transas), Simrad, Martek, Kelvin Hughes, ChartWorld, Consilium, and Imtech.

ECDIS Type-Specific Training Courses are manufacturer-approved, and they comply with the IMO and Flag state requirements. The certificates contain the manufacturer logo and the details of the equipment covered along with the candidate name, date of birth, and nationality.

The ECDIS TST courses are made available for 21 days, and the video tutorials have a duration of approximately 16 hours. The courses are divided into three main features. GUIDE ME is the core of Safebridge training. Through this mode, all training videos of the course can be accessed. FREE PLAY is the unique Safebridge feature that allows the use of the original software for the training. TEST ME is the exam mode that combines different questions related to the course content into one interactive exam.

SAFEMETRIX

Assess maritime non-technical skills
Safe shipping relies on crew members to have the right personal attributes for optimal performance, from captains with strong leadership skills to deck officers with ability to cope under pressure. SafeMetrix allows employers to assess the non-technical skills of their crew.

Improve safety on board
Psychometric assessments greatly enhance maritime safety. By ensuring crew have the appropriate soft and cognitive skills appropriate to their rank, the risk of human error leading to accidents at sea is reduced.

Make data-driven decisions
SafeMetrix provides insights into skills beyond those found on a CV. Assessments deliver objective data on the personal attributes of individual crew members and their likely performance on board. SafeMetrix takes the guess work out of the recruitment, development and promotion process.

Enhance career development
Reporting insights support career progression by identifying opportunities for further development. In tandem with technical training, targeted and skill-specific training creates well-rounded and competent crew members who can operate safely and efficiently.

Pontos

Pontos is a comprehensive Charting Solution Platform, which provides the users with a variety of options to handle the ENCs folios of their fleets or vessels. It is the result of a two years intensive Research & Development, which was based on the company's vast experience and knowledge. The companies decide to implement Pontos solution are benefited by: Adding Safety to their operated vessels.

The Vessel is furnished with the complete World ENCs folio, which allow for accurate measurements and safe route planning anywhere around the globe.

Saving Money from the establishment of the economies of scales. Pontos minimizes the operational costs, both on-board and ashore by reducing or minimizing workmanship hours, freights, on board shifts.

i4 Insight (ex C-MAP)
a member of the Lloyd's Register Group

CHARTS SOLUTION

i4 Insight, a leading supplier of digital navigation products into the maritime market has been appointed by the United Kingdom Hydrographic Office as a distributor of its ADMIRALTY products.

AVCS - the world's leading ENC Service - will now be provided by i4 Insight in the time and cost efficient DNV certified SENC data compression format. Named i4 Insight's Commercial ADMIRALTY ENC Service (CAES), the new service is complementary to other i4 Insight services including Weather and Professional+ (Pro+) chart data.

Based on ADMIRALTY AVCS data, CAES provides the widest possible coverage available in official ENCs. Customers can now benefit from a number of innovative licensing solutions for navigational data which will assist in meeting their obligations for safe navigation.

DIGITAL PUBLICATIONS

ADMIRALTY Digital Publications (ADP) are computer-based applications of the UKHO's market-leading paper-based nautical reference guides. They provide greater efficiency and flexibility than their paper counterparts - giving bridge crews fast electronic updates and easy access to the information they need.

Approved by the Flag States of over 80% of ships trading internationally, ADP applications also provide the same level of compliance as traditional ADMIRALTY paper-based publications, for ships trading under these Flag State authorities.

ADMIRALTY e-Nautical Publicaitons (AENPs) are electronic versions of official. Easy to use and update, they bring improved efficiency, accuracy and access to information bridge officers need. Weekly Notices to Mariners added accurately in seconds to ensure ongoing safety and compliance.

TNL
The Navigation Leaders.

YOUR
BRIDGE,
OUR
MISSION

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