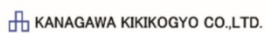




JAPAN

Technical Cooperations



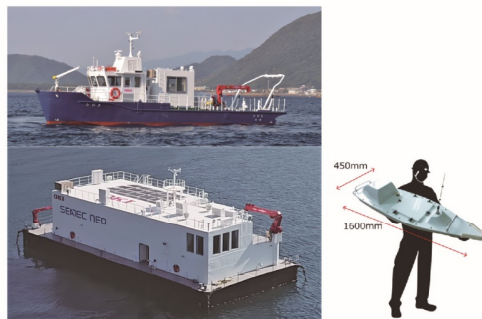
**INDIAN OCEAN
DEFENCE & SECURITY**

24-26 JULY, 2024 / PERTH

ATLA BOOTH:
A34, B28, B29, B30, B34, B36, B38

Oki Electric Industry Co., Ltd.

CARPHIN-V, Measurement Ship "HIBIKI" (Model),
Measurement Barge (Model)



CARPHIN-V is a portable boat-type multibeam depth sounder. It can measure in shallow and narrow places. HIBIKI specialized acoustic measurement ship with anti-vibration measures applied to the engine and auxiliary equipment for acoustic measurements. Japan's only fixed measurement barge equipped with specialized equipment and measurement equipment mainly for acoustic measurements.

Homura Heavy Industries Corporation Ultra Compact USV "Model H-SC"



The H-SC's stability is exceptional and is designed to prevent capsizing even in severe sea states. Lightweight, compact, portable, and durable, it can be transported to distant seas, launched from ships, and dropped in the air. Autonomous control and automatic selection of multiple communication methods make this USV robust and highly maneuverable.

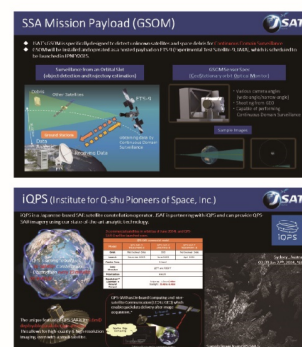
IHI Corporation

LEO satellite constellation /
Epsilon Launch Vehicle



IHI's innovative LEO satellite constellation will integrate different types of satellites and sensors to provide seamless intelligence information, including Maritime Domain Awareness (MDA). The Epsilon launch vehicle, Japanese flagship, provides affordable launch options that meet both high reliability and operability requirements.

SKY Perfect JSAT Corporation Contribution to national security with GEO satellites



SKY Perfect JSAT operates 17 GEO satellites across the Asia-Pacific, North America, and Indian Ocean regions.

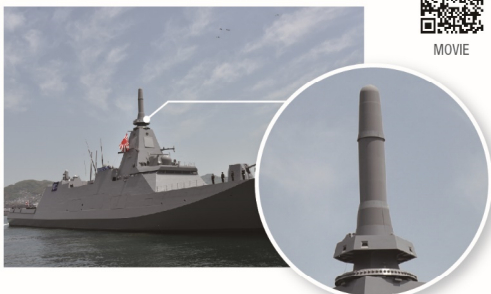
We provide :
-Satellite capacity for governmental use
-LEO data business with small SAR satellites
-Geo Stationary Orbit Optical Monitor Satellite, aimed at continuous domain surveillance of the Geostationary Orbit for detecting unknown satellites and space debris

MITSUBISHI HEAVY INDUSTRIES, LTD. Future Multi-mission Frigate-Anti-Air Warfare



FMF-AAW concept developed by MHI was selected by Japan Ministry of Defense to develop a new frigate (August 2023).

UNICORN

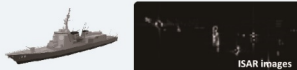


Integrated multiple antennae, covered with low RCS Radome. Advanced stealth technology required for the mast of brand-new frigates is realized by gathering Japanese technologies. Introducing UNICORN, the embodiment of excellent technologies.

Fujitsu Limited Artificial Intelligence (AI) for ISR Digital Transformation

ONBOS CL/IS

AI software to classify vessels based on
images captured by ISAR



ONBOS CL/E

AI software to auto-detect & classify
vessels based on Electro-Optical images



Fujitsu contributes to the advancement of ISR missions by utilizing AI techniques. ONBOS CL/IS is AI software to classify vessels based on images captured by ISAR. ONBOS CL/E is AI software to auto-detect & classify vessels based on Electro-Optical images.

NTT DATA Japan Corporation AW3D



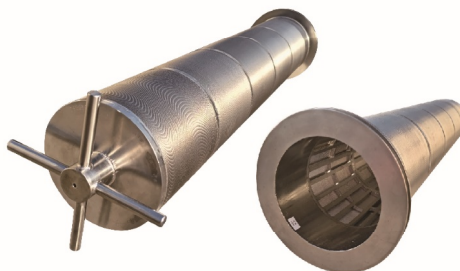
Solutions for business transformation through using Digital technology will be presented. Especially, AW3D is the "Digital 3D map" that represents the ups and downs of all land areas on the earth at a fine 5m resolution. In addition, AW3D can provide 3D data with up to 0.5m resolution in urban areas, making it useful for defense domains.

TOKYO KEIKI INC. Inertial Navigation System, Auto Pilot



We have been developing and manufacturing navigational equipment for many years. Especially on Gyro compasses, not just for commercial vessels but for submarines and frigates with precision accuracies. As for the auto pilot system, it has been selected on many large vessels and now selected on "FFM" contributing to safe voyages.

KANAGAWA KIKI KOGYO CO., LTD. Notch Wire Element



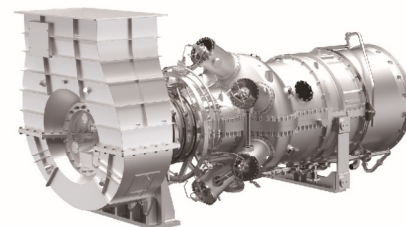
Notch Wire Element is the heart of our filter system to remove foreign objects. This element has robust construction and accurate filtration, therefore, this is used semi-permanently without regular replacement. Also, our filter system realizes reduce workload by easy cleaning with auto backwashing system. Our filter system, which is equipped for final process of filtration line, contributes your ship toward long lifetime and reducing manpower.

NIPPON KAIJI KYOKAI (ClassNK) Introduction to ClassNK



ClassNK is a third-party certification body. Its ship classification services are provided to 9,100 merchant ships, the largest number in the sector. Additionally, ClassNK has been authorized to conduct statutory surveys and certifications on behalf of over 100 governments. With these credentials, ClassNK offers reliable survey services for naval ships throughout their entire life cycle.

Kawasaki Heavy Industries, Ltd. Propulsion Devices & Gas Turbine Generator Set



We introduce propulsion devices and gas turbine generators and other naval vessel equipment manufactured and delivered to Japanese naval vessels, and latest hydrogen related technologies with panels and models. We contribute to the safety of the sea with high technology and quality.