

Generating Waves
波動

Message from ATLA

We would like to extend our heartfelt congratulations on your organization of the 18th WPNS! As part of the contents showcased at 18th WPNS, we prepared the exhibition on JMSDF's defense equipment, etc for the distinguished guests from the naval forces of nations that have visited Japan. Please enjoy our exhibition, and we hope it will deepen your understanding for Japan's defense equipment and technologies.

About ATLA

ATLA is a new organization which was established in October 2015 at Japan Ministry of Defense (MOD). Overseas defense equipment transfer was added as its new mission, while tasks were integrated such as research and development, project management, and procurement of JSDF's equipment, which MOD was previously taking in charge.

In April 2014, year and a half before the establishment of the ATLA, the Government of Japan enacted the "Three Principles on Transfer of Defense Equipment and Technology" and established standards and procedures of defense equipment transfer in order to conform to the new security environment. Overseas transfer will be properly promoted in accordance with the new three principle, and it would contribute to stable peace and international cooperation more than ever. The ATLA is an agency which unitedly promotes the defense equipment transfer at Japan MOD.

Main Concept - 波動 (Hado)

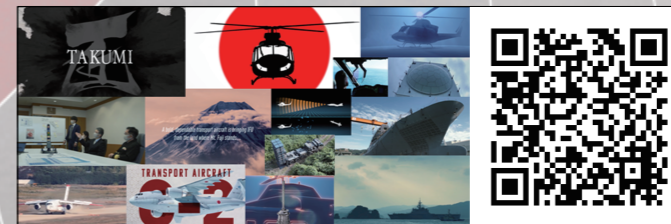
A word that describes the motion of waves - how they overlap with another, resonating, creating an even bigger swell. The ATLA aspires to foster on international, collaborative relationship in the field of defense equipment and technology with many countries around the world, so that we may resonate with one another to promote peace, stability, and prosperity of the international community.

ATLA 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.



Official Website



https://www.mod.go.jp/atla/en/policy/defense_equipment.html#guides_and_movies



This leaflet is made of paper inspired by Japanese Washi a traditional technique from ancient Japan.

Mitsubishi Heavy Industries, Ltd.

Future Multi-mission Frigate

Future Multi-mission Frigate is applied proven technologies as followings.

Steady : Applied MHI's radar/acoustic stealth technology.

Smart : Automated DCS based on Distributed Smart Sensors, Ship Resource Management and Remote Machinery Control.

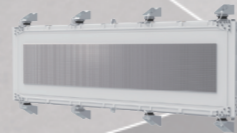
Scalable: Modular compartment to accommodate the payload for greater mission requirements and flexibility.



Toshiba Infrastructure Systems & Solutions Corporation

airborne surveillance radar

Airborne surveillance radar (HPS-106) is a high-performance multifunction radar installed on P-1 patrol planes. Compared to previous radar, it has much improved surveillance capabilities on the water's surface. Its antenna has complex units made of multiple transmit / receive modules which achieve a thin and lightweight Active Phased Array Antenna.



Kawasaki Heavy Industries, Ltd.

P-1 Maritime Patrol Aircraft

The P-1 was newly developed as a dedicated anti-submarine warfare maritime patrol aircraft by leveraging the experience of the JMSDF. As the successor to the JMSDF P-3C, the P-1 contributes to Japanese wide-area maritime defense.



ShinMaywa Industries, Ltd.

Amphibious Aircraft US-2

The world's best amphibian US-2 will come to the rescue at sea and remote islands.

US-2 is operated as Search and Rescue Amphibian by JMSDF.

Including predecessor US-1, these amphibians have been dispatched over 1,000 times to rescue victims.



Japan Marine United Corporation

Patrol Vessel

ATLA has selected JMU's OPV design for next generation patrol vessel of JMSDF to enhance steady-state ISR around Japan. JMUOPV is designed to achieve high seaworthiness for the missions with square section hull form, active anti-rolling device and highly automated lean-manning system.



IHI Corporation

iOMS

IHI Ocean Monitoring Service

iOMS acquires various information about sea areas in near real time, analyzes it with its own technology, and provides necessary information to the customers. This system can be used for security, economic activities, and environmental preservation.



KANAGAWA KIKI KOGYO CO. LTD.

AUTO BACK WASH FILTER FOR LUB. OIL

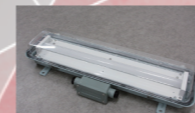
The simple structure of the notch wireelement provides accurate filtrationcapacity, very strong and long life. Automatic backwash filter requires less maintenance.



KOKOSHA CO.,LTD.

20W Type 20W×1 LED Light 60W Type LED Pendant Light

Feature is long life Japanese LED (manufactured by Nichia Corporation), Low power consumption LED lighting fixtures. Used Maritime self-defense force escort ships. (Used in FFM, Mogami,Kumano, etc.)



TEIKOKU MACHINERY WORKS, LTD.

TRENCHER PUMP

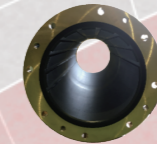
Heavy duty jetting pump on Sub-sea trenchers.(Deep sea MAXIMUM 10,000 m use.)This pump has been mounted on ROV. This pump has been used its discharge pressure to trench subsea when burying cables.



MIKASA CORPORATION

FF-Bearing WK

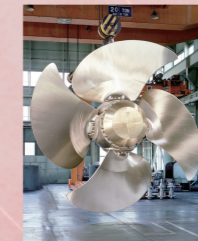
FF-Bearing WK is a water-lubricated stern tube bearing. It consists of three layers, Brass, Rubber, and PTFE. This Mikasa's original structure enables quietness, higher shaft load capacity, lower fuel consumption, and longer product life. The current capability of ID size is up to 810.



KAMOME PROPELLER CO.,LTD.

CONTROLLABLE PITCH PROPELLERS

Because long history and 5,400 sets delivery, attained Durability, Easy Maintenance, Many models and Suitable control system for each ship.



GATE RUDDER® SYSTEM

Completely new concept rudders create 14% Energy saving, Excellent maneuverability and Noise reduction.



Japan Ship Machinery and Equipment Association

We (JSMEA members) are providing to higher levels the quality of ship machinery and equipment for patrol and other government-owned vessels, and now, we aim to export to overseas the our products.

ClassNK

Introduction to ClassNK

ClassNK is the third-party certification body. ClassNK has been authorized to conduct statutory survey & certification from 100 governments on their behalf. With those credentials, ClassNK offers reliable survey service for naval ships from cradle to grave.