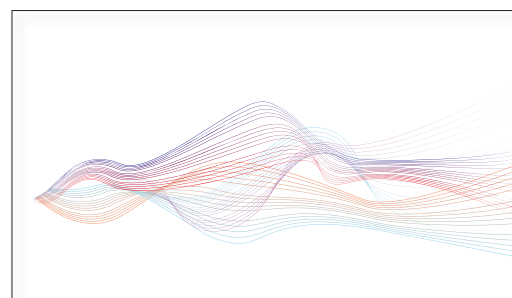


## Main Concept



奏(Kanade) is a Japanese word that describes the art of playing a musical instrument, and also expresses the concept of various instruments harmonizing to create a united sound. We have taken this concept and applied it to the idea of gathering countries with diverse cultures, backgrounds and abilities to create a common dialogue for defense. We hope to contribute to world peace by building an ensemble with like-minded countries through the transfer of Japan's defense equipment and technology at Indo Pacific.



Key Visual

 JAPAN

 **ATLA**  
Acquisition, Technology & Logistics Agency

## Message from ATLA

The ATLA booth showcases Japan's defense equipment and technologies in the field of marine, transportation and surveillance in the Indo Pacific region.

It is our sincere hope that the countries in the Indo Pacific region and Japan will further deepen the cooperative relationship by building on the moment created by this exhibition.

## About ATLA

The 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.

## ATLA MOVIE



[https://www.mod.go.jp/atla/en/policy/defense\\_equipment.html#guides\\_and\\_movies](https://www.mod.go.jp/atla/en/policy/defense_equipment.html#guides_and_movies)

## Technical Cooperations

**ClassNK**

**IHI**  
Realize your dreams

**JMU**

JMU Defense Systems Co., Ltd.

 神奈川機器工業株式会社

**MIKASA**

**MITSUBISHI ELECTRIC**  
Changes for the Better

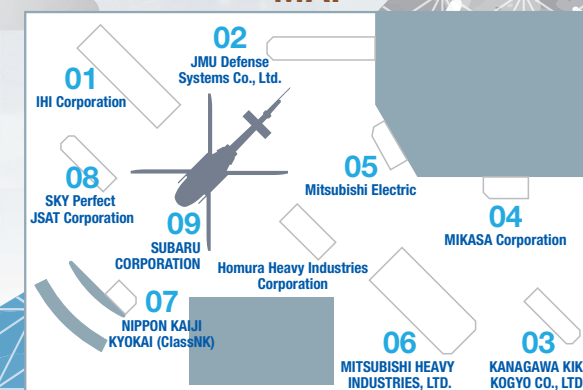
**MITSUBISHI HEAVY INDUSTRIES**

**SKY Perfect JSAT Corporation**

**SUBARU**

**炎重工株式会社**  
HOMURA HEAVY INDUSTRIES

## MAP





## 01 | IHI Corporation

### Unmanned Underwater Vehicle



IHI's UUV/AUV has a system platform that can handle various underwater missions. It has various sensors and payload ejection functions, and can be used for missions such as ISR, logistics transportation, and underwater laying.

## 02 | JMU Defense Systems Co., Ltd.

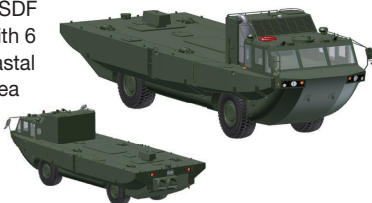
### Decontamination System

Type-94 Decontamination System is used for decontamination of the contaminated personnel, equipment and vehicles etc. It has been practically used at the several CBRN incidents and serious disasters in Japan for decontamination operation and shower service in disaster area.



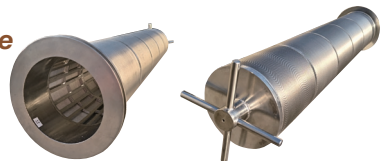
### Multi-purpose Wheeled Amphibious Vehicle

The Multipurpose Amphibious Vehicle (4WD) is designed as amphibious transporter based on the Type-94 Amphibious Mine-laying Vehicle of JGSDF which can be operated with 6 tons cargo in not only coastal area but also in the open sea with its high sea-going capability as ship.



## 03 | KANAGAWA KIKI KOGYO CO., LTD.

### Notch Wire Element



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

## 04 | MIKASA Corporation

### FF-Bearing, Stern Keeper Type-SKC, Bulk-Head Sealing System Type-SKH, Wear Down Sensor

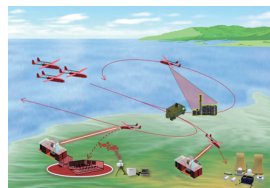


FF-Bearing is the MIKASA's original three-layered Stern Tube Bearing consisting of Brass shell, Rubber, and PTFE. It has been delivering to the Japanese Navy and Coast Guard since 1983. The bearing shall be equipped in the stern tube together with the sealing units, Stern Keeper Type-SKC.

## 05 | Mitsubishi Electric

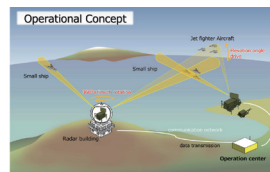
### High Energy Laser

HEL-High Energy Laser  
Our HEL conceptual model over 100kW class is consisted of multi-high power laser beams which are combined with coherent beam combining technology.



### TPS-P80ME

TPS-P80ME is Multi-Function Mobile Type Long Range Coastal Surveillance Radar System which is capable of detecting jet fighter aircrafts and small ships, and which succeeds Japan Ground Self Defense Force (JGSDF) JTSP-P80 with customization.



### All-around Observation System

AOS - All-around Observation System  
AOS provides vessels with comprehensive 360° visual imaging capabilities, resulting in increased safety, security and operational efficiency. The system can be easily retrofitted on a wide variety of vessels and integrated into its bridge console.



## 06 | MITSUBISHI HEAVY INDUSTRIES, LTD.

### Future Multi-mission Frigate-Anti-Air Warfare (FMF-AAW)

FMF-AAW, a family of FMF, is now available and applied with the following concepts developed by MHI, which are now realized and proven on the latest frigate MOGAMI class of the JMSDF;

- Stealthy : Applied MHI's radar/acoustic stealth technology
- Smart : Total Ship Control System (TSCS), that makes advanced missions easy to operate
- Scalable : Modular compartment to accommodate the payload for greater mission requirements and flexibility



### Naval Auxiliary Ocean Surveillance Vessel

Our Naval Auxiliary Ocean Surveillance Vessel has features suitable for ocean surveillance, which are less motion and less speed reduction in rough sea due to a unique small water plane area twin-hull form, and low underwater radiation noise with diesel-electric propulsion.



## 07 | NIPPON KAIJI KYOKAI (ClassNK)

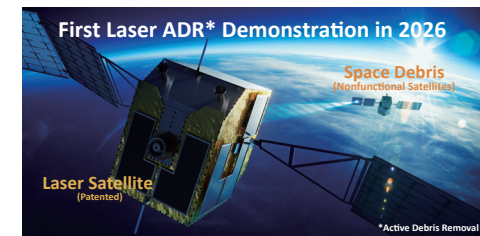
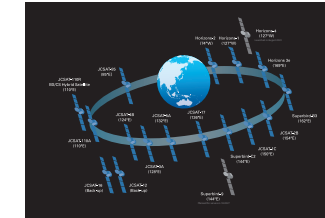
### Introduction to ClassNK



ClassNK is the third-party certification body. Its ship classification service has been provided to 9,100 merchant ships, the largest number in the sector, and 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 through the whole life cycle.

## 08 | SKY Perfect JSAT Corporation

### Contribution to national security with GEO satellites



SKY Perfect JSAT operates 17 GEO satellites over the Asia-Pacific, North America and Indian Ocean regions. We provide satellite capacity for government use and space data intelligence by analyzing Earth observation satellite imagery. We are also engaged in developing the LEO data business with small SAR satellites.

## 09 | SUBARU CORPORATION

### UH-2 (Utility Helicopter)



MOVIE



With improved performance and safety features, the UH-2 provides more capability while maintaining its long-established reputation for utility and reliability. The aircraft is a combination of the basic fuselage proven over numerous years of military operations and the newest dynamic components and avionics available today.

