



### ABIT CORPORATION Tactical Secure Wireless Solution



Based on the wireless technology development capabilities we have provided to mobile carriers, research institutions, and others over many years, we offer a Tactical Secure Wireless Solution suitable for defense purposes. This includes the following component technologies:

- \*mmWave Phased Array Antenna Module (PAAM) with Beamforming Technology
- \*SDR Development Platform
- \*Ultra-low latency Programmable SDR ASIC
- \*Long Range & Mesh Wireless Communication System
- \*High Speed Underwater Secure Communication & Positioning System

### Hytec Inter Co.,Ltd. Tactical Video Encoder/Decoder



4K low latency and narrow bandwidth video encoder/decoder used for tactical operations, reconnaissance, situational awareness, etc. Reliable real-time video streaming over narrow-bandwidth satellite links and tactical radios. The system has been used by the Ground Self-Defense Force's amphibious rapid deployment brigade, airborne brigade, communications units in various areas, and divisions/brigades.

### IHI Corporation

**IHI Ocean Monitoring Service (iOMS)**  
iOMS provides Maritime Domain Awareness (MDA) information with various sensors.

**IHI's innovative LEO constellation**  
The innovative LEO constellation that will combine different types of satellites and sensors to generate better intelligence information including MDA.

**Uncrewed Underwater Vehicle**  
IHI's UUV/AUV has a system platform that can handle various underwater missions such as ISR, logistics transportation, and underwater laying.

### 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 Wheeled 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.



### JUPITOR CORPORATION/ ALAE Engineering Co.,Ltd. Aeromedical Evacuation Unit Type 2

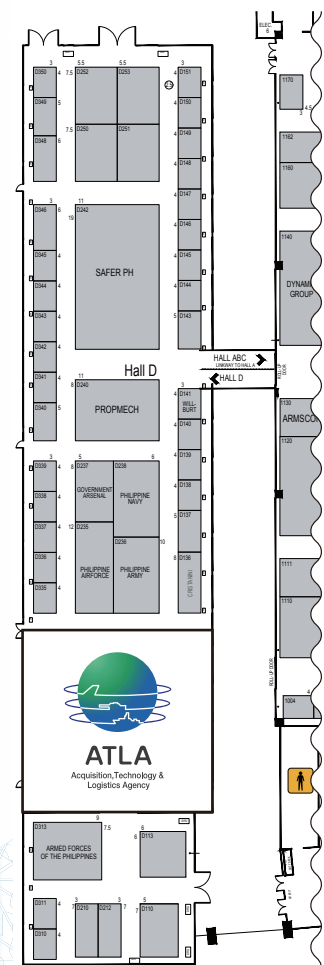


Aeromedical Evacuation Unit Type 2 is a container used to evacuate seriously ill or injured individuals and can be mounted on a C-130H or C-2 transportation aircraft. Once medical equipment and materials are installed within the unit, it has advanced medical monitoring and paramedic capabilities on par with an ICU.

## ADAS 2024

### ASIAN DEFENSE AND SECURITY(ADAS)

25 - 27 Sep.,2024  
At World Trade Center  
Metro Manila, Philippines

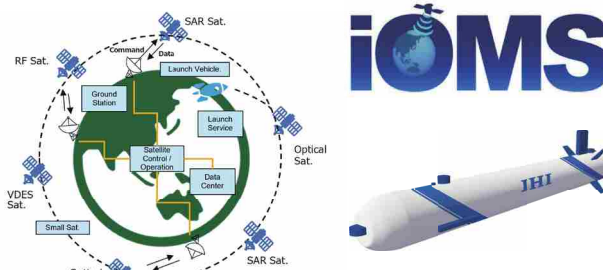


### ATLA

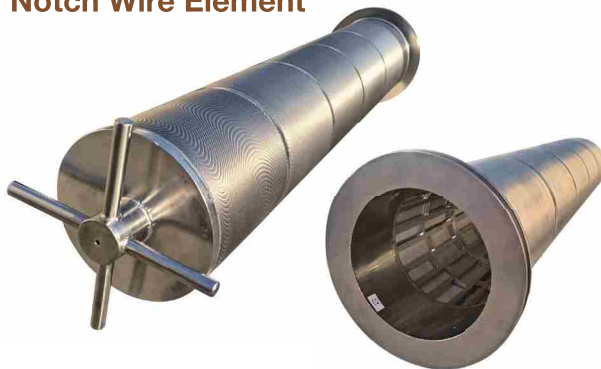
HALL-D  
Booth No.  
D130~133  
D230,  
330~333

### Reception

15:00 ~  
26th Sep. at ATLA Booth



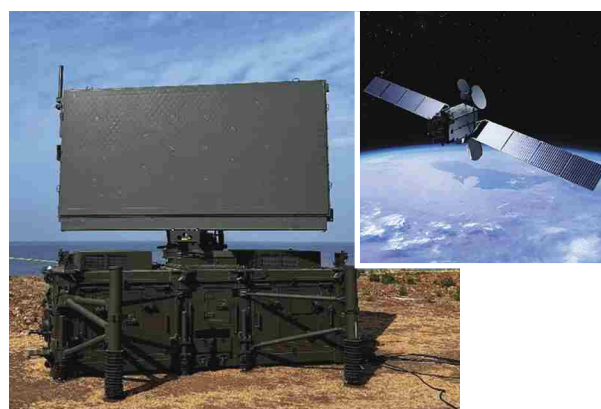
### KANAGAWA KIKI KOGYO CO., LTD. Notch Wire Element



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.

### Mitsubishi Electric Corporation

**FPS-3ME Fixed Radar**  
**TPS-P14ME Mobile Radar**  
**Communication Satellite Models**



Mitsubishi Electric is a major electronics manufacturer providing cutting-edge defense technologies to the Japanese Ministry of Defense for over half a century. The air surveillance radar models on display are a mock-up of the actual systems delivered to the Philippine Air Force. In the space domain, Mitsubishi Electric has also exported satellites to various overseas users.

### NEC Corporation

**Mobile TACAN**  
has the same performance as fixed TACAN and can be transported by large trucks, cargo aircraft or helicopter.

**Mobile RAPCON**  
provides a radar air traffic control service where its ATC system is inoperative due to disasters, unexpected trouble.

**Underwater Acoustic Transducer**  
is a sensing device which can send the acoustic signals into underwater and can also receive the underwater sound.



### NTT DATA Japan Corporation

**Cloud, Cyber, Network Expansion, IOWN, AW3D, etc.**

We provide Open Canvas cloud for government that supports the highly trusted/highly available cloud, making it suitable for military use. Advanced operation and maintenance support is also available. In addition, based on our track record with CENTRIXS, we provide solutions that enable secure collaboration with external organizations and other countries.



### Nippon Control System Corporation

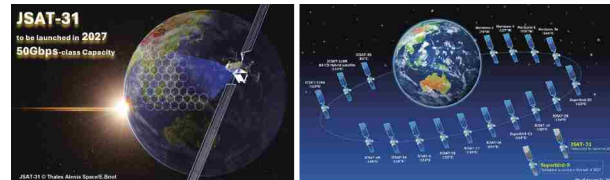
**ELINT/ESM Data Recording and Processing Unit DRA Series**



DRA Series provides hardware for complete data acquisition and recording for high-speed data, equipped with user-friendly analysis software.

- Electronic Intelligence (ELINT)
- Electronic Support Measure (ESM)
- AI Data Analysis with Continuous Learning

### 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 GEO Stationary Orbit for detecting unknown satellites and space debris.

### Space Entertainment Laboratory

#### HAMADORI

Seaplane-type fixed-wing UAV "HAMADORI" features automated takeoff and landing capabilities from wavy water surfaces and comes equipped with an EO/IR gimbal camera and can be outfitted with underwater sensors. Its operational capabilities include maritime ISR and underwater communication and surveillance.



### TOKYO KEIKI INC.

**Radar Warning System Coastal Surveillance Radar**

"SPECTRUM DOMINANCE"  
We have been developing and producing RF devices and equipment such as "Radar Warning Systems" for aircraft in the defense sector for many years. Also designing and manufacturing precision Navigational equipment for vessels and submarines.

- 1.Passive Sensor:  
Surface Hostile Radar Detector
- 2.Active Sensor:  
Coastal Surveillance Radar



### TOYOKOH Inc. CoolLaser® G19-6000



"CoolLaser® G19-6000" series, the world's highest output rust removal laser processing equipment. Remove rust, paint film and other undesirable films from aging infrastructures.

### VFR Inc.

**EMS (Contract Manufacturer) Business for Robotics and UAVs**

- Capable of quickly establishing mass production.
- Provides mass production support to global companies, as well as MRO and assistance for entering the Japanese and Asia-Pacific markets.
- Product Examples: e-VTOL for Ocean surveillance, Multi-use drones, Counter-drone systems, AGVs, and more.



### Toshiba Infrastructure Systems & Solutions Corporation

**C-UAS Solution etc.**

With our core radar technology, we have delivered a wide range of defense equipment, such as radar systems and ELINT systems, to the Japan Self-Defense Forces for several decades. Having strengths in "compact" and "lightweight" for radar systems and ELINT systems, we are now expanding our C-UAS solution business by leveraging our sensor technology.

