

# Technical Session 2

## Maritime Autonomous Surface Ships

### **Panel Discussion**

13<sup>th</sup> ASEF Forum

13<sup>th</sup> Nov.2019

Osaka, JAPAN

## (Moderator)

▶ Mr. Naoki UEDA

ASEF Accredited Representatives Technical (MHI)

## (Presenter & Panelist)

▶ Mr. Kazuma WAIMATSU, Furuno Electric Co., Ltd.

Director/Department General Manager

Products Planning & Marketing Department

Marine Electronics Products Division

## (Panelists)

▶ Mr. Shiping LU, Marine Design & Research Institute of China

▶ Mr. Taichi TANAKA, Mitsubishi Shipbuilding Co., Ltd.

▶ Mr. Dongsoo KANG, Samsung Heavy Industries

## (1) Question for ASEF members

**What expectations does your industry, or your government, or business world for developing and introducing MASS ?**

## (2) Question for ASEF members

**What are the challenges and barriers for shipyard to work on autonomous ship development?**

IN  
FOCUS



### (3) Question for ASEF members

It is obvious that ship operator should be a main player to realize autonomous ship. Also the importance of the role of marine equipment industry is quite clear. On the other hand, what roles our shipbuilding industry should take?

Is it enough to continue to building hull and assemble components?

## (4) Question to Mr. WAIMATSU

**How to tackle with technical development of autonomous ship in marine equipment industry?**

**Also, please quick review the activities in ISO regarding smart shipping and what your industry aims to achieve?**



## (5) Question for all Panelists

In IMO, Regulatory Scoping Exercise (RSE) is started to review all regulations to enable safe navigation of autonomous ships.

**What is your highest concern?**

**Any other comments ?**



**Thank you**

The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the right side of the frame, creating a modern, layered effect against the white background.