

‘ROBOSHIP Joint Value Creation Project’ Starts! ~ Realizing ‘The Future of Ships and the Sea’ Starting in Toyosu, Tokyo ~



TOKYO—e5 Lab, Inc. today announced the launch of the “ROBOSHIP Joint Value Creation Project” as a cooperative platform to create value and turn challenges into opportunities by addressing issues facing the ocean shipping industry.

As a part of the project, e5 Lab, 22 specialist companies covering various industries, and a ship classification society, which have collaborated on various projects, will gather to conduct a large-scale demonstration test off Toyosu, Tokyo, in November.

1. 3 Elements of ‘ROBOSHIP Joint Value Creation Project’

(1) Joint value creation across industries	Gather “dream teams” selected not only from the ocean shipping and maritime industries, but also from various other fields to jointly create new value by combining technologies, ideas, and networks.
(2) New business and value creation using advanced technologies	Adopt a backcasting-based approach that starts not with technology development, but by envisioning the future we want to create, and then create new values and businesses with the required technologies and ideas.
(3) Big ripple effect on other industries	Foster new cooperation with the project partners’ industries, and work together to create new values and business opportunities.

2. ROBOSHIP Joint Value Creation Project PoC in Tokyo 2020

The ROBOSHIP Joint Value Creation Project Team will conduct a large-scale demonstration test under the theme “What future can we create for ships and the sea?” Following are the details of the event.

Theme: Ideas for future ships envisioned by e5 Lab, 22 partner companies, and a ship classification society

Name: ROBOSHIP Joint Value Creation Project PoC in Tokyo 2020

Time Period: November 2020

Location: Off Toyosu, Tokyo

No. of Participants: 22 companies, a ship classification society (refer to the list on the next page)

Themes of Demonstration Tests

Themes	Objectives
Offshore high-speed broadband telecommunication/DX	“Zero Accident” app, OS for ships, telemedicine for crews, the next-generation digital navigation
Energy x Environment x Infrastructure	Create new values for ships x (Energy x Environment x Infrastructure)
Next-generation ship and shore power management	Cooperation with urban areas in energy, expanded use of renewable energy, etc.
AI/remote/autonomous technologies	Robotic ship operation using AI/remote/autonomous technologies
COVID-19 measures for ships	“Security and comfort onboard” (proposals for coping with COVID-19, air conditioning systems, etc.)

Participating companies, a ship classification society	Asahi Tanker Co., Ltd.	Uhuru Corporation
	Exeno Yamamizu Corporation	The Kansai Electric Power Co., Inc.
	Tokyo Cruise Ship Co., Ltd.	ClimaCell Inc.
	Mitsui O.S.K. Lines, Ltd.	SoftBank Corp.
	Daikin MR Engineering Co., Ltd.	DAIHEN Corporation
	Tokio Marine & Nichido Fire Insurance Co., Ltd.	TEPCO Energy Partner, Incorporated
	Toshiba Energy Systems & Solutions Corporation	Nakashima Propeller Co., Ltd.
	ClassNK	Nomura Asset Management Co., Ltd.
	FURUNO ELECTRIC CO., LTD.	Marine X Inc.
	Mitsui Fudosan Co., Ltd.	Mitsubishi Corporation
	Mitsubishi Heavy Industries, Ltd.	Mitsubishi Shipbuilding Co., Ltd.
	Prime Planet Energy & Solutions, Inc.	

Cooperative activities through the 22 companies and the ship classification society have generated a wide range of projects — future concepts for the ocean shipping and maritime industries, innovations in offshore energy centered on ships and the sea, digital transformation (DX) using advanced telecommunication and AI, creation of new value based on electric-powered vessels, among others. e5 Lab aims for swift collaboration and mutual use of resources among the participants, as well as personnel exchanges to realize joint value and business creation.

e5 Lab and partners will continue to meet these challenges, co-creating a sustainable, attractive future for ships and the sea through realization of an ideal future and new businesses beyond the horizon, in turn contributing to communities (local) and the world (global).

About e5 Lab Inc.

A provider of ocean shipping solutions based on electrification and digitalization of ocean-going vessels. e5 Lab’s mission is to create sustainable coastal shipping, which is the lifeline of Japan. The company aims to contribute to society through its efforts on safe operation of vessels and global environmental conservation, by combining cutting-edge technologies and ideas to create added value, and solving the issues facing coastal shipping.

▼ Website

<http://e5ship.com>

▼ “e5 Lab Inc.” promotion video

<https://www.youtube.com/channel/UCYovzRhRIYyxHr7MoYCUU3g/feed>



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