

IoS-OP Taiwan Seminar

CI measures and retrofits in existing ships

22nd July (Friday) 10:00-17:30

----- Programme -----

10:00-10:05
TST

Opening Address

Tomoyuki Koyama

Chairman of IoS-OP Consortium

Senior Managing Executive Officer, Chief Executive of Technical Headquarters,
Nippon Yusen Kabushiki Kaisha (NYK Line)



10:05-10:45
TST

IoS-OP and activities

Yasuhiro Ikeda

President

Ship Data Center Co., Ltd. (ShipDC)

This presentation will introduce IoS-OP, the Internet of Ships Open Platform, which is a data-sharing framework promoted by ShipDC. It includes the concept of data ownership, IoS-OP common rules, key features and technical specification of the shore platform managed by ShipDC, activities of IoS-OP Consortium, and business cases led by private cooperation.

Keywords: ShipDC, IoS-OP, Ship IoT, Data Ownership



10:45-11:00
TST

Introduction of TERASAKI Marine Information Platform (TMIP)

Mengqiu Yu

International Sales Section, Marine Sales Department, System Division
TERASAKI ELECTRIC CO., LTD.

This is an Onboard data platform that collects and saves various onboard data and provides the data to each application. Contributes to data utilization and efficient work on board.

Keywords: On Board data server, Platform Provider, Data Collection, ISO19847/19848

11:00-11:30
TST

Accelerate digital transformation begins with decarbonization

Braxton Chan

Manager, Inmarsat Maritime
Inmarsat Maritime

Inmarsat will accelerate digital transformation in the maritime industry beginning with decarbonization. How SATCOM will navigate the future digital transformation for a beginning stage of decarbonization.

Keywords: Digital Transformation, decarbonization, Satellite communication, Data sharing



11:30-12:00
TST

Overview of New Certification Service -Innovation endorsement-

Noriyuki Kajita

Digital Transformation Center
Nippon Kaiji Kyokai (ClassNK)



IoS-OP Consortium

Introduce Innovation Endorsement Services that are developed to support spreading new innovative value introduced by Maritime Stakeholders. Explain 3 services, IE Notation, Product & Solutions Certification and Provides Certification. We hope our policy will be understood by all area of stakeholders in Maritime industry.

Keywords: Innovation, Digital, Safety, Environment, Labour

----- Lunch Break -----

13:00-13:30
TST

The introduction of U-MING Fleet Safety Management

Capt. Felix Lu

Chief of Operations Center, U-MING
U-MING Marine Transport CORP.



To further enhance the ship operation transparency in turns of location, speed, and navigation parameters in the near real-time manner. We utilized the Machine to Machine technology to well connected our vessels to provide accurate information and allow top managers to make decisive decisions immediately.

Keywords: FSM

13:30-14:00
TST

HiZAS, Hitachi Zosen Application Service, Advanced Vessel & Main Engine Data Analysis

CHEN YING-JHEN

Taipei Branch, After Service of Marine Engine
Hitachi Zosen Corporation



In recent years, due to tightening of regulations and growing need for safe ship operation management has become sophisticated, data amount collected from ships is increasing. Shipowners/Ship management companies spend time and effort analyzing, and there is urgent need to improve work efficiency through DX. We have developed "HiZAS®VDA" to support analysis for ships with data collecting platform service.

Keywords: DX (Digital transformation), Safe ship operation management, Main Engine performance, Operation performance, Data analysis

14:00-14:40
TST

Decarbonization in shipping industry & NYK's Green Business

Takahiro Rokuroda

General Manager, Green Business Group
Nippon Yusen Kabushiki Kaisha (NYK Line)



1. Introduction of NYK Line
2. Decarbonization trend in shipping industry
3. NYK's Green Business activities

Keywords: decarbonize, hydrogen, ammonia, co2, wind power

14:40-15:10
TST

CII solutions by retrofitting with antifouling coating system

Hirohisa Mieno

Antifouling Coatings Tech. Dept. Technical Headquarter / Ph.D.
Chugoku Marine Paints, LTD.



Due to the requirement to reduce CO2 emissions, which is cause of global warming, efficient vessel operation is required by international treaty (EEXI/CII by IMO from 2023). Retrofitting with antifouling coating is one of the most efficient and easy solution that suitable for above situation. Example of vessel performance improvement by recent antifouling coating and information service "CMP-MAP" which contribute to performance improvement by visualization of hull (antifouling) performance.

Keywords: antifouling coatings, retrofit, data monitoring, operational profile, performance improvements

----- Coffee Break -----



15:30-16:00
TST

Advanced PBCF (Propeller Boss Cap Fins) for EEXI and CII
ZHENCHUAN HUANG

Assistant General Manager, R & D Promotion Office /
Environment and Safety Related Devices Dept.
MOL Techno-Trade, Ltd.



In the environmental era, reducing GHG emissions must be considered right away. However, what are the effective measures in shipping? One of the answers is to install MOL's Advanced "PBCF", which is the original & best-selling brand of a propeller-cap with fins. This seminar will focus on the key features of Advanced PBCF, the latest findings through R&D and how effective for new regulations, EEXI and CII.

Keywords: PBCF, ESD, Retrofit, GHG reduction, Fuel-saving

16:00-16:30
TST

New propeller for the new wave -our approach to EEXI regulation and CII rating-
Yoshihiko Tago

Deputy Manager, Sales & Marketing
Nakashima Propeller Co., Ltd.



EEXI regulations/CII ratings are about to be launched. As a total propulsion system supplier, we, Nakashima Propeller, will introduce our latest initiatives and case studies amid expectations of improved fuel efficiency for existing vessels.

Keywords: Propeller, ESD, Rudder, Retrofit, improvement of the fuel consumption

16:30-16:50
TST

NAPA Logbook

Jussi Siltanen

Senior Product Manager, Safety Solutions
NAPA Ltd



NAPA Logbook is an electronic logbook solution for ships serving the same purpose as paper logbooks but also bringing additional benefits in terms of work time saving, data validation and data sharing. This presentation will show the benefits of shifting onboard to electronic logbooks, it's benefits and how it takes place, without forgetting the current status of international and flag regulation on the topic.

Keywords: Logbook, MARPOL, Digitalization, Ship operations, Ship data,

16:50-17:20
TST

Financial platform for Seafarers

Toshiaki Fujioka

President, CEO
MarCoPay Inc.



MarCoPay is an eWallet/financial platform is designed primarily for seafarers, their families and loved ones to gain financial freedom and to allow them to enjoy their lives even more. MCP will create new economic opportunities by providing attainable innovative products which used to be inaccessible.

Keywords: Fintech, Cashless, Economic potential, APP

17:20-17:30
TST

Closing Remarks

Yoshiya Yamaguchi

Corporate Officer, Director of Innovation Development Division
Nippon Kaiji Kyokai (ClassNK)



For enquiries, please contact IoS-OP Consortium secretariat at consortium@shipdatacenter.com.



IoS-OP Consortium