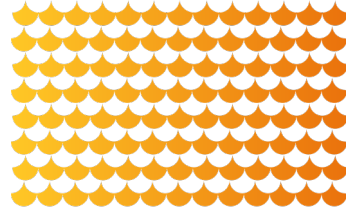


HighSpeedBoat OperationsForum



THE ROYAL INSTITUTION
OF NAVAL ARCHITECTS



08
2021



THE ROYAL INSTITUTION OF NAVAL ARCHITECTS

**Safety and Emissions. RINA's vision on
High speed**

31st August 2021

Presented by **Chris Boyd, Chief
Executive**

1. Introduction

2. RINA involvement

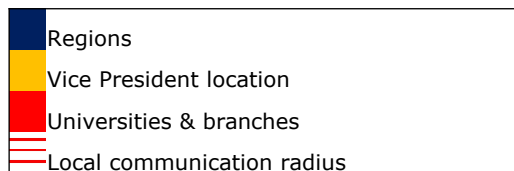
3. Emissions

4. Safety

5. New Technologies

6. Future

HSBO
HighSpeed 
BoatOperations



What is RINA?

Founded in 1860 “...to promote the art and science of ship design and construction”

In 2021 “...an international professional institution, whose 10,000 members are involved at all levels in the design, construction, repair and management of marine vessels and structures in over 90 countries.

- 36 Branches/Sections
- 6 regions: Asia, Pacific, Americas, Europe, UK, Middle East & Africa.
- 76 Universities engaged
- International Links
- **International Maritime Organization (IMO)**



Publications and Events

Social Media

A collage of social media posts from the Royal Institution of Naval Architects. It includes an Instagram post about the impact of quantum technologies on ship design, a Facebook post about the 'WeSeaGreen with DNV' campaign, and another Facebook post about the 'Impact of Quantum Technologies on Ship Design' workshop.

The cover of 'The Naval Architect' magazine. The title is prominently displayed in white and yellow. Below the title, it says 'A publication of THE ROYAL INSTITUTION OF NAVAL ARCHITECTS'. The main headline reads 'CHART YOUR ROUTE TO DECARBONIZATION'. The background image shows a large container ship sailing on the ocean.

Events

The Royal Institution of Naval Architects

RINA SAFETY TECHNIQUES WORKSHOP

19 November 2019

The Workshop is designed to be an introduction to and/or refresher of the fundamental concepts of safety and risk, including occupational safety considerations and analysis.

Topics to be covered:

- Demonstrate an understanding of the fundamental concepts of safety and risk, with particular respect to the maritime regulatory framework.
- Describe the factors impacting on their professional obligations as maritime professionals with respect to safety and risk management.
- Demonstrate a practical understanding of some fundamental techniques used to conduct risk assessments for marine systems and operations.
- Demonstrate an awareness of some of the typical risks and hazards associated with the marine environment, in particular the potential consequences of poor or inadequate design, construction or operational procedures.
- Demonstrate an appreciation of the personal risks that a maritime professional may be exposed to while working outside of the office, and the importance of safety management systems in mitigating these risks.

For more information or to book your place, please contact the RINA conference department: conference@rina.org.uk

or visit our website or contact the RINA conference department: www.rina.org.uk

ROYAL INSTITUTION OF NAVAL ARCHITECTS

BASIC DRY DOCK TRAINING COURSE

4 Day Programme

17-20 June 2019, London

By Mr. Joe Singsh

Benefits of Attending

This free dry dock course covers the fundamentals and objectives of dry docking. The course begins with the factors and safety concerns, and progresses through all phases of dry docking: preparation, docking, fit, period, undocking, and such with a discussion of accidents and incidents.

It's designed to be relevant to Dock Masters, Docking Officers, Engineers, Naval Architects, Port Engineers and others involved in the dry docking of ships and vessels. The course is presented through discussion, lecture, model participation in projects and practical application exercises. The course addresses the dock plan and level of practical operations needed for the dock operator and the necessary accepted professional qualifications required to carry out operations in accordance with established good engineering practice.

CONTRACT MANAGEMENT FOR SHIP CONSTRUCTION, REPAIR & DESIGN

23 - 25 October 2019

InfosecPartners

CYBER SECURITY MARITIME TRAINING CERTIFICATE

InfosecPartners is pleased to announce that the RINA Maritime Cyber Security Training Course has been awarded the Gold Standard award by the International Maritime Organization (IMO).

This is to certify that ********* has completed formal cyber security training in accordance with the IAO Cyber Risk Guidelines.

DETAILS OF CERTIFICATION:

CERTIFICATION: Cyber Risk Management

Course Material: IAO Cyber Risk Guidelines (2017), a framework for the implementation of Cyber Risk Management, Maritime Cyber Security Training, and Risk Party Review

Certification Status: Gold Standard

RINA (The Royal Institution of Naval Architects)

THE ROYAL INSTITUTION OF NAVAL ARCHITECTS

Vol. 163, Part A1, 2021

International Journal of Maritime Engineering

SIGNIFICANT SHIPS OF 2020

A Publication of The Royal Institution of Naval Architects

CSIC CORPORATION, TAIWAN

SIGNIFICANT SMALL SHIPS OF 2020

A Publication of The Royal Institution of Naval Architects

UZMAR

SHIP & BOAT INTERNATIONAL

A Publication of The Royal Institution of Naval Architects

Officers support vessels / Green craft technology / Gears, propellers and thrusters / Europe / September/October 2019

PILOT 15 WP

MAN PrimeServ

OFFSHORE MARINE TECHNOLOGY

A Publication of The Royal Institution of Naval Architects

Support vessels / Research and survey vessels / ROVs and AUVs / 2nd Quarter 2019

SHIPREPAIR & MAINTENANCE

A Publication of The Royal Institution of Naval Architects

North America and the Caribbean / China / Cruise ship repairs and refits / Scubaer retrofits / Offshore conversions / 1st Quarter 2019

Service with passion

MAN PrimeServ

WARSHIP TECHNOLOGY

A Publication of The Royal Institution of Naval Architects

New Zealand / Australia / Population / Unmanned vessels / Fligates & Destroyers / October 2019

Your visions succeed

MAN

Marine Power & Propulsion 2019

Overview / Two stroke engines / Medium speed engines / South Korea / China / Japan / Alternative fuels / Batteries / October 2019

IMO III & EPA IV CERTIFIED

Baudouin

IMO III & EPA IV CERTIFIED

Baudouin

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Active Involvement

IMO Committee ←

Maritime Safety Committee ←

Maritime Environment Committee ←

Maritime Innovation Committee ←

Professional Affairs Committee

Membership Committee

Publications Committee



Non-Governmental Organisation (NGO) with
Consultative Status at the IMO



**INTERNATIONAL
MARITIME
ORGANIZATION**

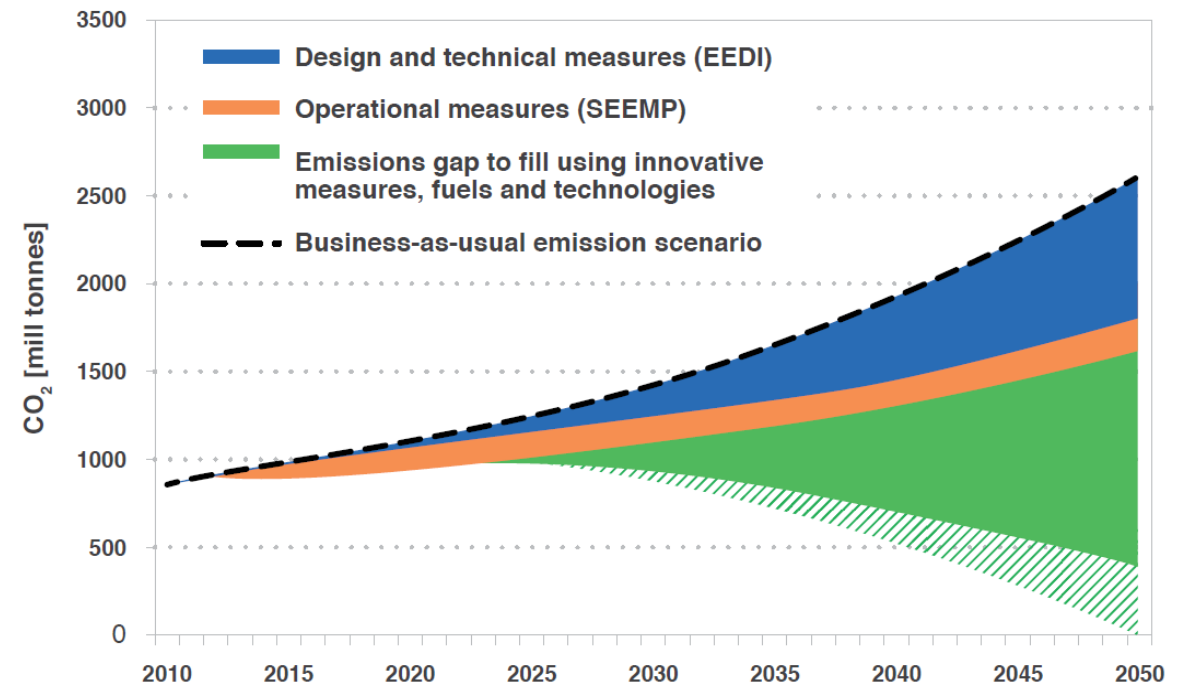
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IMO GHG
Strategy

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Safety



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Oceanalpha
Dolphin



Oceanalpha M75



MetalCraft Marine Unmanned Interceptor 7M



ZyCraft - VIGILANT IUSV



L3 ASV - C-Target 13

And many
more...

'Swarm' technology

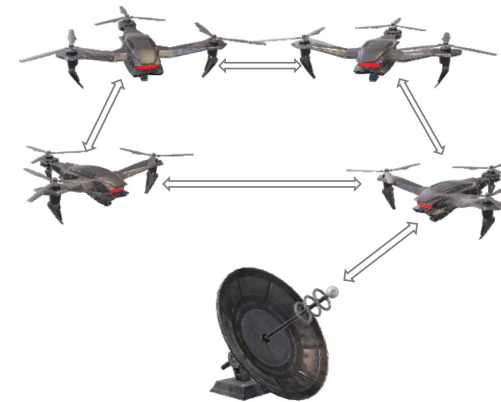
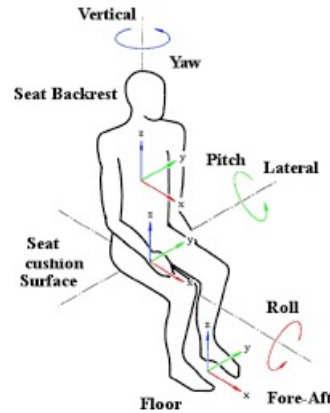
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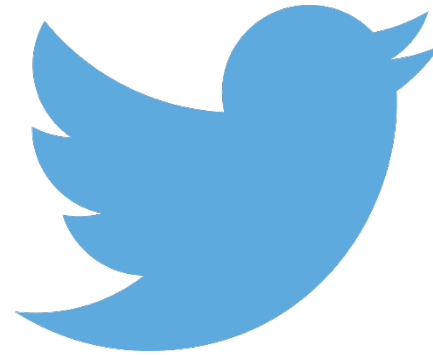
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- Whole body vibration
- Unmanned vessel
- Autonomous 'swarm' technology
- Fuel Economy





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rina_hquk



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