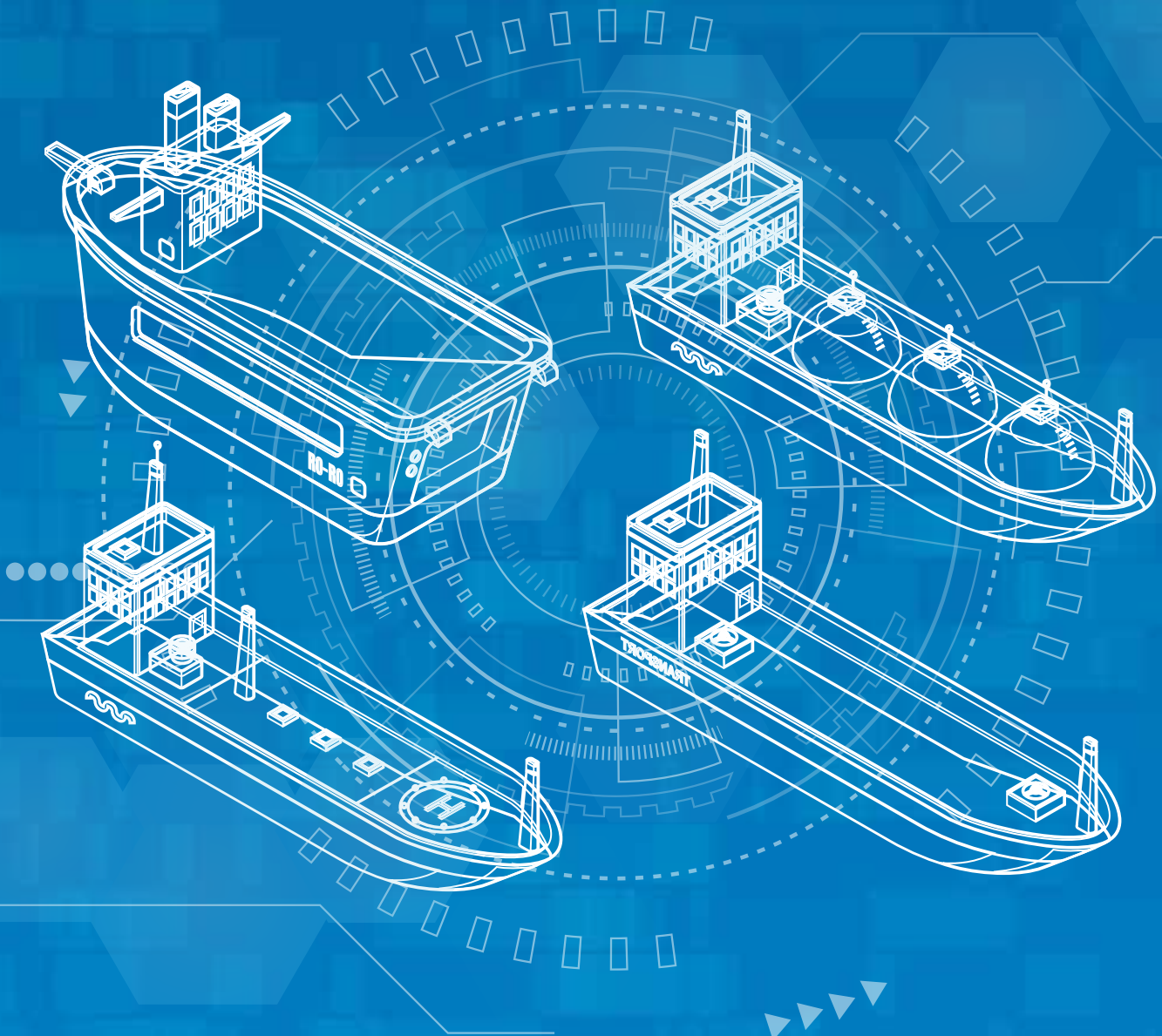


# SHIP MAINTENANCE

11 - 12 SEPTEMBER 2024  
ALOFT SINGAPORE NOVENA, SINGAPORE



# SHIP MAINTENANCE

11 - 12 September 2024 | Aloft Singapore Novena, Singapore

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*"No span of steel will tolerate neglect. But if serviced by generations who use it and spared manmade hazards, such as war, it should have life without end."* Joseph Baermann Strauss

– Chief Engineer of the Golden Gate Bridge

## EVENT OVERVIEW

The collision between the Dali container ship that brought the Francis Scott Key bridge crumbling is likely to have long lasting effects and replacing it is expected to take a decade or more to build. The Dali suffered 2 complete power outages within a span of 2 minutes from 1:24AM – 1:26AM and by the time it regained power for the third time, it had already rammed into one of the bridges main support beams causing its collapse. In Chile, the ship was cited for having a faulty fuel pressure gauge which was rectified before departing port. It went through another inspection by the US Coast Guard and no issues were found before going through for routine engine maintenance.

In a separate incident in July 2023, a tanker heading towards Port Arthur in Texas lost engine power and couldn't regain steering capabilities and ultimately stopped 30 minutes later after dropping anchor. Investigations found contaminated fuel to be the culprit. Poor fuel quality caused failure of the main engines and the auxiliary engines to wear down, according to an incident report viewed by the Wall Street Journal. Several ships over the past few years have experienced blackouts or engine failures at and near ports around the world were relatively caused by contaminated fuel. If there was an issue with the fuel on the Dali, it likely would have already been flagged, however standard tests don't always catch everything, according to experts.

These incidents serve as a grim reminder of the devastating effects these mega sized ships can inflict on infrastructure if appropriate ship maintenance isn't conducted. According to future market insights, the global ship repair & maintenance industry is currently worth USD 28.1 billion and is expected to reach a staggering USD 53.4 billion by 2034, nearly doubling in a span of 10 years. A thorough maintenance of a ship is costly, accounting for 10% of total operating expenses (OPEX) for ships under 10 years old and estimated to reach 20-30% for older vessels. Although costly, it is better than having to deal with the severe consequences of insurance complications and penalties. **The Ship Maintenance Summit** by **Trueventus** will discuss the intricate process and strict regulations of ship maintenance and repairs. Connect with industry leaders and subject experts to tune into diverse insights on the challenges faced in inspecting, maintaining and repairing a ship's most vital components. Stay abreast of the essentials in ensuring your vessel is in optimum condition to be sea worthy.

## WHY YOU CANNOT MISS THIS EVENT

- A deep dive into the latest technologies, best practices, and trends in ship maintenance
- Learn how to address common challenges and issues related to ship maintenance
- Gain insights on identifying Hull defects and structural damage that can compromise the integrity of a vessel
- Discover the complex systems of a vessel's propellers, thrusters, or rudders that can affect maneuverability and speed
- Gain an understanding of navigation systems inspections and assessing collision risks
- Grasp the essentials of maintaining your vessel's complex electrical systems

## WHO SHOULD ATTEND?

**Government Authorities & Ministries Director Generals, Secretary Generals, CXOs, Managing Directors, Executive Directors, VPs Heads, Engineers, Inspectors and key decision makers of:**

- Marine Engineering
- Naval Architecture
- Welding & Metal Working
- Ship Inspection & Maintenance
- Painting & Coating Specialists
- Electrical Engineering
- Piping & Hydraulic Systems
- Logistics Professionals

**From the following industries:**

- Marine Engineering
- Structural Engineering
- Naval Architecture
- Ship Maintenance & Repairs
- Maritime & Shipping
- Maritime Technology & Equipment Suppliers
- Marine Services & Contractors
- Ship Regulatory Bodies

FOR FURTHER DETAILS, CONTACT

**NURUL**

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## EVENT PARTNER



The Asian Shipowners' Association (ASA) is a voluntary organisation of the shipowner associations of Cook Islands, China, Hong Kong, Japan, Korea and the Federation of ASEAN Shipowners' Associations (FASA), comprising shipping associations of ASEAN countries, consisting of Brunei, Indonesia, Malaysia, Myanmar, the Philippines, Singapore, Thailand and Vietnam. The objectives of the ASA are to act as a channel to convey Asian Shipowners' voices to the international shipping community as well as to enhance and strengthen the ASA's stature. At the same time, it is also a platform for all ASA members to liaise with one another and to help promote cooperation, amity and friendship amongst its members. Following the principle agreed at the first Asian Shipowners' Forum (ASF) meeting which was founded in April 1992 when its first meeting was held at Japan Shipping Club in Tokyo and ASA was formerly named, the venues for the annual meetings have been conducted on a rotational basis by the members from the North to South in geographical order. Between annual ASA AGM meetings, the ongoing work is carried out by five Standing Committees: The Seafarers Committee (SC), the Ship Insurance and Liability Committee (SILC), the Safe Navigation and Environment Committee (SNEC), the Shipping Policy Committee (SPC), and the Ship Recycling Committee (SRC). It has been estimated that ASA shipowners and managers control and operate around 50% of the world's cargo carrying fleet.

<http://www.asianshipowners.org/>

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## FEATURING PRESENTATIONS AND CASE STUDIES BY DISTINGUISHED SPEAKERS



**Karan Kapoor**  
Captain/Master Mariner  
**Fleet Management Limited**  
Hong Kong SAR



**Mokhamad Azis Muslim**  
Operation Director  
**PT. Lintas Internasional Berkarya**  
Indonesia



**Helmy Arshat**  
Senior Marine Surveyor & Lead Auditor  
**American Bureau of Shipping (ABS)**  
Malaysia



**Abram Noja Arrelano**  
Marine Engineer Officer  
**Stolt Tankers**  
Philippines



**Vignash Sivagnanam**  
Lead Director - Naval Architect  
**PacMak DB Marine Group**  
Singapore



**Aqif Faiq Syamim**  
Marine Engineer  
**Pacific Carriers Limited**  
Malaysia



**Anupam Mittal**  
Deputy Fleet Manager  
**Anglo-Eastern Tanker Management pte Ltd**  
Singapore



**Abishek Sridhar,**  
Fleet Manager Technical  
**BW Epic Kosan Ltd.**  
Singapore



**Ginasri Susiripala,**  
DPM Chief Engineer  
**Yinson**  
Malaysia



**Ts. Muhammad Aizat Khairul Azman**  
Chief Engineer  
**Petra Energy Berhad,**  
Malaysia



**M. Thahir Rambe**  
Technical Manager  
**PT Lintas Marine & Offshore**  
Indonesia



**Dr. Kenneth Sunil Mukherjee**  
Director & Principal Consultant  
**CSIM Systems Pte Ltd.**  
Singapore



**Kuldipak Pednekar**  
Head of Naval Engineering  
**Daphne Technology**  
Singapore



**Rishi Jauhari**  
Technical Superintendent  
**Eastaway Ship Management Pte Ltd**  
Singapore



**Srikant Ayyer**  
Consultant Marine Engineer  
**Andrew Moore & Associates**  
Singapore



**Chris Teoh**  
Senior Product Manager - Welding & Repair  
**Wilhelmsen Ships Services**  
Singapore

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## Day One: Wednesday, 11 September 2024

0800 Registration & Coffee

0850 Chairperson Welcome Address

0900 Session One

### SIRE Inspection Process and Preparation of Vessel

- Provide a detailed overview of the Ship Inspection Report Programme (SIRE) inspection requirements and criteria
- Explore how technology can aid in preparing for SIRE inspections
- Develop a comprehensive pre-inspection checklist tailored to SIRE compliance

**Karan Kapoor**, Master Mariner – Captain  
**Fleet Management Limited, Hong Kong SAR**

0945 Session Two

### Enhancing Safety and Compliance in Shipboard Welding: Best Practices Aligned with Rightship RISQ 3.0 & OCIMF SIRE 2.0

- Understand Maritime Regulatory Requirements for Hot Work Safety.
- Best Practices in Gas and Electric Arc Welding and Cutting
- Practical Implementation

**Chris Teoh**, Senior Product Manager – Welding & Repair  
**Wilhelmsen Ships Services, Singapore**

1030 The Speed Networking - The Mad Minutes!

*Fun and fast, this networking activity is a great opportunity to grow your connections*

1100 Morning Refreshments

1145 Session Three

### Ensuring proper installation of breakers and fuses to protect circuit board and prevent overloads

- Source and use high-quality breakers and fuses from reputable manufacturers
- Pre-installation testing to verify their functionality and compatibility with the circuit boards
- Detailed post-installation inspections to confirm proper installation and functioning as intended

**Rishi Jauhari**, Technical Superintendent  
**Eastaway Ship Management Pte Ltd, Singapore**

1215 Session Four

### Enhancing LNG dual fuel engine powered ship's longevity: Integrating Methane Slip Abatement Technology and Continuous Emissions Monitoring for Sustainable Operations

- Tackling methane slip in LNG dual fuel engines with SlipPure: Utilizing breakthrough plasma-catalysis technology for effective methane slip reduction
- PureMetrics: Providing correct GHG emission qualification and continuous emission monitoring for improved environmental compliance
- Promoting sustainability with SlipPure and PureMetrics: Offering auditable insights, and ensuring regulatory adherence for LNG dual fuel engines

**Kuldipak Pednekar**, Head of Naval Engineering  
**Daphne Technology, Malaysia**

1255 Networking Luncheon

1400 Session Five

### Addressing fuel pump delivery issues caused from jammed fuel racks

- Identifying causes of Jammed Fuel Racks
  - Technical Repercussions
  - Solutions, Maintenance, and Inspection
- Abram Noja Arellano**, Marine Engineer Officer  
**Stolt Tankers BV, Philippines**

1445 Session Six

### An AI-Enhanced AIMS for Marine Structures

- Combining typical asset management systems with analytical capabilities and Artificial Intelligence (AI) functionalities
- Provides data for structural health monitoring at any point in time during operation phases
- An extremely powerful tool for asset management

**Dr. Kenneth Sunil Mukherjee**, Director & Principal Consultant  
**CSIM Systems Pte Ltd, Singapore**

1530 Afternoon Refreshments

1600 Session Seven

### (Topic to be advised)

**Srikant Ayyer**, Consultant Marine Engineer  
**Andrew Moore & Associates, Singapore**

1645 Session Eight

### Routine Inspections of Fuel Filters to Guarantee the Correct Flow Rate and Filtration

- Implement a strict schedule for inspecting and replacing fuel filters based on the manufacturer's recommendations and operational conditions
- Install differential pressure gauges across fuel filters to continuously monitor the pressure drop
- Utilize advanced diagnostic tools such as particle counters and fuel cleanliness analysers during inspections

**Aqif Faiq Syamim**, Marine Engineer  
**Pacific Carriers Limited, Malaysia**

1730 End of Day One

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## Day Two: Thursday, 12 September 2024

**0830 Registration & Coffee**

**0850 Chairperson Welcome Address**

**0900 Session One**

**Ship Spare Parts Stock and Arrangement, a Part of Ship Maintenance**

- Investigate the challenges faced in managing critical ship spare parts that are essential for the vessel's operation
- Detail best practices for the categorization and labelling of ship spare parts to ensure quick identification and retrieval
- Explore strategies for efficient inventory management of ship spare parts, including just-in-time (JIT) inventory, automated reordering systems, and predictive maintenance

**Mokhamad Azis Muslim**, Operation Director  
**PT. Lintas Internasional Berkarya**

**0945 Session Two**

**Ensuring Fuel Supply Meet Engine Manufacturer's Specifications for Important Parameters and Regulatory Requirements**

- Understand manufacturer's specifications
- Regular fuel testing
- Compliance with regulatory standards

**Anupam Mittal**, Deputy Fleet Manager  
**Anglo-Eastern Tanker Management, Singapore**

**1030 Morning Refreshments**

**1100 Session Three**

**Preventing Accidents with Routine Testing & Calibration of Propulsion Electrical Systems**

- Investigate how routine testing of propulsion electrical systems can identify potential failures before they lead to accidents
- Explore advanced calibration techniques and tools used in the maritime industry to ensure the accurate performance of propulsion electrical systems
- Present case studies where routine testing and calibration of propulsion electrical systems successfully prevented accidents

**Ginasri Susiripala**, DPM Chief Engineer  
**Yinson, Malaysia**

**1145 Session Four**

**Regular Inspections of the Ship's Steering Gear System for Any Signs of Damage, Corrosion, or Leaks**

- Steering gear system – Brief Introduction
- Planned Maintenance, Inspections, & Tell-A-Tale signs
- Emergencies Owing to Improper Maintenance of Steering Gear System

**Abishek Sridhar**, Fleet Manager Technical  
**BW Epic Kosan Ltd., Singapore**

**1230 Networking Luncheon**

**1400 Session Five**

**Radiographic Testing or Detection of Porosity & Cracks in Hull of Ships**

- Conduct a comparative analysis of various radiographic testing methods, such as film-based radiography, digital radiography, and computed tomography
- Present case studies where radiographic testing successfully detected porosity and cracks in ship hulls
- Discuss the benefits of integrating radiographic testing with other non-destructive testing (NDT) methods

**Vignesh Sivagnanam**, Lead Director – Naval Architect  
**PacMak DB Marine Group, Singapore**

**1445 Session Six**

**Utilizing Duplex Filter Systems for Easy Switching from Clogged to Clean filters Benefits of Stakeholder Management.**

- Duplex filters have two parallel filter housings, allowing continuous filtration
- Enables uninterrupted fuel oil supply to ship engines
- Duplex setups, essential for marine applications

**Ts. Muhammad Aizat Khairul Azman**, Chief Engineer  
**Petra Energy Bhd, Malaysia**

**1530 Afternoon Refreshments**

**1600 Session Seven**

**Instilling a Comprehensive Inspection and Maintenance Process of Rudder Equipment for Wear and Damage of Rudder Stock, Rudder Blades and Other Vital Parts**

- Create a detailed and standardized inspection checklist covering all critical components of rudder equipment
- Explore the use of predictive maintenance techniques
- Discuss the integration of digital tools and software solutions, such as maintenance management systems (MMS) and digital twins

**M. Thahir Rambe**, Technical Manager  
**PT Limin Marine & Offshore, Indonesia**

**1645 Session Eight**

**Mitigating Human Errors in Ship Inspections, Maintenance & Repairs**

- Understanding human factors in Maritime Operations
- Strategies for Error Prevention in Ship Maintenance
- Case Studies and best practices

**Helmy Arshat**, Senior Marine Surveyor & Lead Auditor  
**American Bureau of Shipping, Malaysia**

**1730 End of Conference**

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## COMPANY DETAILS

Name	Industry
Address	
Postcode	Country
Tel	Fax

## ATTENDEE DETAILS

1	Name	Job Title
	Tel	Email
2	Name	Job Title
	Tel	Email
3	Name	Job Title
	Tel	Email
4	Name	Job Title
	Tel	Email
5	Name	Job Title
	Tel	Email

## APPROVAL

NB: Signatory must be authorised on behalf of contracting organisation.

Name	Job Title
Email	
Tel	Fax
Authorising Signature	

## REGISTRATION FEES

	10% discount for ASA members
End of July 2024	SGD 1295 (Per Delegate)
End of August 2024	SGD 1995 (Per Delegate)
1st September 2024 onwards	SGD 2495 (Per Delegate)
All options inclusive of delegate pack, luncheon and refreshments.	

## PAYMENT METHODS

Payment is due in 5 working days. By Signing and returning this form, you are accepting our terms and conditions.

☐ Bank Transfer

☐ Credit Card

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Take a Snapshot or Scan and Email us

## TERMS & CONDITIONS

- The course fee is inclusive of the event proceedings, materials, refreshment and lunch.
- Upon receipt of the complete registration form, invoice will be issued. Trueventus request that all payments be made within 5 working days of the invoice being issued. Full payment must be received prior to the event. Only delegates that have made full payment will be admitted to event. Clients are responsible for their own banking fees and banking fees will not be absorbed into the booking price.
- Substitution & cancellations policy. Should the registered delegate is unable to attend, a substitute delegate is welcome at no extra charge. Written notifications of all substitutions is required 5 working days prior to the event. Trueventus contracts carry 100% full liability upon receipt of registration. Non payment does not constitute cancellation. A 100% of cancellation fee will be charged under the terms outlined below: Due to limited event seats, Trueventus agrees to book and confirm the seat for the client upon issuance of invoice. Upon signing of this contract, client agrees that in case of dispute or cancellation of this contract Trueventus will not be for total contract value. If a client does not attend the event without written notification at least 5 working days prior to the event date, he/she will be deemed as no show. A no show at the event still constitutes that the client will have to pay the invoice amount that was issued to them. Trueventus does not provide refunds for cancellations. By signing this contract the client also agrees that if they cancel that Trueventus reserves the right to pursue monies owned via the use of local debt collection agency were the client is situated. Furthermore the client will be held liable for any costs incurred in collection of outstanding monies. When any cancellations are notified in writing to Trueventus 5 working days prior to the event, a credit voucher will be issued for use in future Trueventus events.
- Trueventus will at all times seek to ensure that all efforts are made to adhere to meet the advertised package, however we reserve the right to postpone, cancel or move a venue without penalty or refunds. Trueventus is not liable for any losses or damages as a result of substitution, alteration, postponement or cancellation of speakers and / or topics and / or venue and / or the event dates. If force majeure were to occur Trueventus accepts no responsibility or liability for any loss or damage caused by events beyond their control, including, but not restricted to strikes, war, civil unrest, flight delays, fire flood, or any adverse weather conditions. Trueventus is not liable in the event that a participant is exposed or is infected by Covid 19. Trueventus under no circumstances is liable for any other costs that might have been incurred in the attendance of the event, including but not limited to flights, accommodation, transfers, meals etc. Trueventus reserves the right to replace / change speakers in the best interest of the conference.
- Upon receiving this signed booking form, you the client hereby consent to Trueventus to keep your details for the use of future marketing activities carried out by Trueventus and third party organisations & partners.
- Copyright and Intellectual Property. Any redistribution or reproduction of part or all of the contents in any form in connection to this event is prohibited without prior written consent by Trueventus.
- Client hereby agrees that he/she exclusively authorizes Trueventus charged the credit card with details listed above for the amount provided herein; this registration form serves as a contract that is valid, binding and enforceable. He/she at any time will have no basis to claim that the payments required under this Contract are unauthorized, improper, disputed or in any way. Upon issuance of invoice Trueventus will be charging the client USD 30 processing fee.
- All Trueventus events are held in a classroom or theater format.
- All Trueventus events are held at either 5 or 4 Star Hotels.
- All payment must be directed to Trueventus in full prior to the event. Any company's participating in National training schemes such as HRDC Scheme and are applying grants you must first pay Trueventus and upon you receiving the grant you will be refunded this amount back. Failure to pay prior to the event can result in your company being blocked from joining the conference.
- All transaction charges, withholding taxes, local taxes, or currency exchange issues will be strictly absorbed by sender. Trueventus reserves absolute right to refuse admission of participant/s to the event should invoice amount is not received in full.



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FOR FURTHER DETAILS, CONTACT

NURUL

+60327750000 ext.632 ✉ : nurul@trueventus.com