

SESSIONS

SCRUBBERS: OPERATIONS, MAINTENANCE AND COMPLIANCE SEMINAR - 08/10/2020

Scrubbers: Operations, Maintenance and Compliance Virtual Seminar

8 - 9 October 2020

Virtual Seminar

Delivered Live Online (BST time) & On-Demand Afterwards

Chair's welcome and opening remarks

10:00 - 10:10

Regulatory update: IMO developments

10:10 - 10:30

Regulatory Review

- Exhaust Gas Cleaning Systems 2015 guidelines and possible amendments after PPR7
- Discussion of washwater discharges into ports and coastal areas and possible harmonization of regulations
- Feedback from the GESAMP Task Team on ECGSs
- Monitoring of HFO carriage and sulphur emissions

Participants

Roel Hoenders - Acting Head of Air Pollution and Energy Efficiency, Marine Environment Division, IMO

Port State Control: monitoring compliance with IMO 2020

10:30 - 10:50

Regulatory Review

- How is the sulphur cap and carriage ban being monitoring and enforced?
- What is the level of compliance?
- Are there any particular concerns from PSCOs on scrubber operations?

Participants

Prasad Panicker - Head of Inspection Operations, Maritime & Coastguard Agency

Bennett Ng - Environmental Policy Specialist, Maritime & Coastguard Agency

How technology is finding a solution to reporting emissions

10:50 - 11:10

Regulatory Review

- Reporting system direct from ship's AIS in real time
- Pilot study and field trials results
- Developing additional reporting for NOx and black carbon

Participants

Tim Smyth - Head of Science: Marine Biogeochemistry and Observations, Plymouth Marine Laboratory

Live Q&A

11:10 - 11:30

Regulatory Review

The washwater debate: the impact of scrubber washwater on port water quality

11:30 - 11:50

Regulatory Review

- Recent study on the impact of open loop scrubbers on port water quality and sediment
- Modelling and parameters for the study

Participants

Jasper Faber - Manager, Mobility and Transport, Director of Aviation and Maritime, CE Delft

Audience feedback

11:50 - 12:10

Regulatory Review

Assessment of the scrubber market beyond 2020: current and future prospects

14:00 - 14:30

Market Overview, Investment and Financing Options

- How have the fuel differentials between HFO and LSFO changed since the beginning of 2020?
- What impact is this having on the market and will there be improvements moving into 2021/2022?
- Number of scrubbers fitted worldwide to date, on order and waiting to be fitted
- What is the split between retrofit and newbuilds?
- What sectors are using scrubbers?
- When will owners see a payback now?

Participants

Ian Adams - Executive Director, The Clean Shipping Alliance (CSA) 2020

Poul Woodall - Director - Environment & Sustainability, DFDS

Looking to the future: working towards 2030/2050 emissions targets

14:30 - 14:50

Market Overview, Investment and Financing Options

- What role might emissions abatement technology play in reaching the 2030 and 2050 emissions reduction targets?
- Will emission abatement technology also meet NOx and CO2 targets?
- Are there any new innovations in scrubbing technology?

Live Q&A

14:50 - 15:05

Market Overview, Investment and Financing Options

Case studies: lessons learned from scrubber installation - a user guide

15:15 - 15:45

System Selection and Installation

- The practical challenges
- Pre-installation issues including impact on available space and unavailability of original design drawings
- Assessing the correct system for the fleet profile - open loop, closed loop or hybrids?
- Operational issues: impact on vessel's damage stability, electrical power and machinery spaces
- Corrosion, fire safety and potential exhaust gas piping failure

Participants

Olli Somerkallio - Managing Director, Foreship GmbH

Fabian Kock - Head of Environmental Certification, DNV GL

Marine scrubber construction material selection: balancing cost and consequences

15:45 - 16:05

System Selection and Installation

- Choosing the right materials to reduce breakdowns
- Environment in which the scrubber will be used
- Specific areas of scrubber in need of specific alloys
- Fabrication expertise in terms of welding and inspection
- Need feedback on service history from shipowner and operator

Participants

Nigel Ward - Consultant, Market Development, Nickel Institute

Audience feedback

16:05 - 16:20

System Selection and Installation

SCHEDULE

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TIME	MARKET OVERVIEW, INVESTMENT AND FINANCING OPTIONS	REGULATORY REVIEW	SYSTEM SELECTION AND INSTALLATION
10:00	10:00 - Chair's welcome and opening remarks	10:00 - Chair's welcome and opening remarks 10:10 - Regulatory update: IMO developments 10:30 - Port State Control: monitoring compliance with IMO 2020 10:50 - How technology is finding a solution to reporting emissions	10:00 - Chair's welcome and opening remarks
11:00		11:10 - Live Q&A 11:30 - The washwater debate: the impact of scrubber washwater on port water quality 11:50 - Audience feedback	
12:00			
13:00			
14:00	14:00 - Assessment of the scrubber market beyond 2020: current and future prospects 14:30 - Looking to the future: working towards 2030/2050 emissions targets 14:50 - Live Q&A		
15:00			15:15 - Case studies: lessons learned from scrubber installation - a user guide 15:45 - Marine scrubber construction material selection: balancing cost and consequences
16:00			16:05 - Audience feedback

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SCRUBBERS: OPERATIONS, MAINTENANCE AND COMPLIANCE SEMINAR - 09/10/2020

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Chair's opening remarks

10:00 - 10:10

Installation planning across a fleet: key elements to project manage a smooth transition

10:10 - 10:40

Installation Planning Across a Fleet

- Setting up a project team
- Planning with onshore staff, onboard staff
- Liaising with the supplier and yard
- Understanding leadtimes
- Setting realistic milestones
- Allowing for delays, downtime and the unexpected

Participants

James Tyrrell - Technical Manager, Carnival Corporation

Alberto Di Cecio - Director - Marine Department, Ecospray Technologies

Open forum: operational challenges

10:40 - 11:00

Installation Planning Across a Fleet

Managing day to day safe scrubber operations

11:30 - 11:50

Crew Training and Maintenance Issues

- Using the monitoring systems
- Collecting data for predictive maintenance
- Managing chemicals safely for closed and hybrid systems

Participants

Pierre-Alexis Mosnier - Director, Mareneco Ltd

Managing maintenance requirements for shipowner/operator and supplier

11:50 - 12:10

Crew Training and Maintenance Issues

- Maintenance issues for filters, discharge pipes, duct work, sensors
 - After sales service: how can manufacturers provide services around the world?
 - Predictive maintenance for the exhaust gas analyser
 - How do suppliers feel about the state of their equipment after installation?
 - Waste management
-

Live Q&A

12:10 - 12:30

Crew Training and Maintenance Issues

The P&I perspective: compliance and claims

14:00 - 14:30

Insurance Issues: Risk Management, Compliance and Claims

- Loss prevention
- Validity of cover
- Fines

Participants

Eleni Antoniadou - Claims Executive, The Standard Club P&I UK Ltd

Sudhir Malhotra - Marine Surveyor, The Standard Club P&I UK Ltd

Live Q&A

14:30 - 14:45

Insurance Issues: Risk Management, Compliance and Claims

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11:00	11:30 - Managing day to day safe scrubber operations 11:50 - Managing maintenance requirements for shipowner/operator and supplier		
12:00	12:10 - Live Q&A		
13:00			
14:00			14:00 - The P&I perspective: compliance and claims 14:30 - Live Q&A