

5th LNG & Clean Marine Fuel Forum

Theme: FUEL FOR CLEANER SHIPPING

12th-13th SEPTEMBER 2019 • M HOTEL, SINGAPORE

Sponsors:



With the marine industry charting its course to reduce emissions of greenhouse gas and comply with IMO's 2020 and 2050 vision, the use of LNG as marine fuel is a fantastic reference point for green fuels such as hydrogen, methanol and ammonia. The 5th LNG & Clean Marine Fuel Forum, Asia's anchor marine event to address issues linked to de-carbonisation and clean fuels, will focus on the efficacy of current efforts and direction of future efforts towards realizing IOM's aspirations.

PATRON:



HE Anita Nergaard
Norwegian Ambassador
to Singapore

CONFERENCE CHAIRMAN & TECHNICAL COMMITTEE

WONG TOON SUAN, President, Gas Association of Singapore
PAL KASTMAN, Director, Innovation Norway
ALAN LIM, Deputy Director, Maritime Port Authority
CALVIN CHUA, Senior Development Partner, Enterprise Singapore
SHAHRIN OSMAN, Regional Head of Maritime Advisory, DNV GL
JULIEN BOULLAND, Manager, Bureau Veritas Marine (Singapore) Pte Ltd
WALTER PURIO, CEO, LNG Marine Institute, Australia
JEFFREY LAI, Manager, Innovation Norway
SANJAY VERMA, Director LNG & Hybrid, Wartsila Marine Business
PROF. KARIMI IFTEKTAR ABUBAKAR, Professor, National University Singapore
ROLV STOKKMO, Poten & Partners
ANDREAS SALIM, Manager, Fuelng
ANIS HUSSAIN, GM, Keppel Fels Limited
PRABJOT SINGH CHOPRA, VP Technology, SeaTech Solutions International (S) Pte Ltd

CONFERENCE PROGRAMME 2019

The use of LNG as a marine fuel has been promoted for some time but much traction has been gained due to new regulations on emissions reduction. The adoption of LNG as a marine fuel will no doubt raise questions pertaining technological, technical and operational issues; for example, safety considerations have been on the forefront of discussions.

It is critical that there is an open forum to discuss these issues and share solutions and the LNG Marine Fuel Forum, inaugurated in 2015, has been that platform for the LNG and marine communities. LNG Marine Fuel Forum 2019 will continue to uphold the standards set by previous instalments of the conference cum exhibition, with industry experts and leaders presenting papers and engaging in panel discussions. For this year event, we have expanded the discussions to include other cleaner marine fuel options to meet the IMO's 2050 ambitions of 50% GHG reduction by 2050.

5th LNG & Clean Marine Fuel Forum

Theme: FUEL FOR CLEANER SHIPPING

12th-13th SEPTEMBER 2019 • M HOTEL, SINGAPORE

Sponsors:



Supporting Organisations:



CONFERENCE PROGRAM

DAY 1

08:00 – 09:00 Registration

SESSION 1 – MARITIME INDUSTRY TRANSITION TOWARDS LNG AND CLEAN MARINE FUEL

09:00 – 09:10 **Chairman's Opening Remarks:**

By: Wong Toon Suan, MD of Oneblue; Executive Advisor of ILO, National University Singapore: Chairman, LNG Marine Fuel Forum

09:10 – 09:30 **Welcome Address:**

By: HE Anita Nergaard, Norwegian Ambassador to Singapore & Conference Patron

09:30 – 09:50 **MPA's CE Aspiration for Maritime Singapore**

By: Quah Ley Hoon, Chief Executive, Maritime and Port Authority of Singapore (MPA)

09:50 – 10:30 Morning Tea / Coffee Break

10:30 – 11:30 **Panel Session - Transition to Supply Cleaner Energy for the Maritime Industry**

By: Craig Jennings, Woodside Energy / Jan Woon, SLNG / Saunak Rai, FueLNG
Moderator: Shahrin Osman, DNVGL

11:30 – 12:30 **Panel Session - Regulatory Landscape for The Maritime Environment and Decarbonization**

By: Goh Chung Hun, MPA / Prabjot Singh, SeaTech Solutions / Subhanker G. Dastidar, Dastell LLP / Kapil Berry, BW
Moderator: Murali Pany, Joseph Tan Jude Benny LLP

12:30 – 14:00 Lunch Break

SESSION 2 – IMPLICATIONS FOR THE MARITIME INDUSTRY

14:00 – 15:30 **Panel Session – Challenges and Opportunities in Adoption of LNG as a Marine Fuel - Ship Owners Perspective**

By: Romi Kaushal, Keppel Smit / Desmond Chong, Sinanju Tankers Holdings / David Marren, Swire Pacific Offshore, Dilip Sarangdhar, SeaTech Solutions
Moderator: Edi Saputra, Poten and Partners

15:30 – 16:00 Afternoon Tea / Coffee Break

16:00 – 17:00 **Panel Session - Ops, Safety and Training**

By: Wong Kit Seng, SLNG / Capt Satinder Singh Viridi, SMA / Vincent Lau, Jurong Port / Romuald Machac, Hutchinson
Moderator: Saunak Rai, FueLNG

17:00 **END OF DAY ONE**

5th LNG & Clean Marine Fuel Forum

Theme: FUEL FOR CLEANER SHIPPING

12th-13th SEPTEMBER 2019 • M HOTEL, SINGAPORE

Sponsors:



Supporting Organisations:



CONFERENCE PROGRAM

DAY 2

SESSION 3 – ASPIRATION AND PREPARATION FOR THE FUTURE

09:00 – 09:10 Session Chairman’s Opening Remarks:

By: Sanjay Verma, Wartsila

09:10 – 10:10 Energy Transition Outlook 2019-Maritime Forecast 2050

By: Shahrin Osman, DNV GL

10:10– 10:30 LNG Pricing Trends and Impacts on Bunkering

By: Edi Saputra, Poten and Partners

10:30 – 11:00 Morning Tea / Coffee Break

11:00 – 11:30 Marine Mobile Electrification in Singapore

By: BOS Offshore & Marine, Bryan Koh, Managing Director

11:30 – 12:00 Renegotiating Marine Fuel Contracts Before IMO 2020

By: Lian Yok Tan, K&L Gates Straits Law LLC

12:00 – 13:00 Panel Session – Role of Alternative Fuel in Shipping

By: Christopher Chatterton, Methanol Institute / Dr Liu Ming, NTU / Pradeep Datar, Corvus Energy / Giulio Gennaro, 1888 Gennaro Consulting
Moderator: Shahrin Osman, DNVGL

13:00 – 14:00 Lunch Break

SESSION 4 – DEVELOPING THE CLEANER MARINE ENERGY ECOSYSTEM

14:00 – 14:20 Innovation Norway, Norwegian Cluster Program

By: Pal Kastman, Innovation Norway

14:20 – 14:40 Greening the Future from Use of LNG to Hybrid Energy Solution Technologies

By: Egil Rensvik, Network LNG Norway

14:40 – 15:00 Industry collaboration on Clean & Sustainable Energy

By: Jonathan Abrahams, DNVGL

15:00 – 15:30 Afternoon Tea / Coffee Break

15:30 – 16:30 Panel Session - Smart Marine Energy Technology & Innovation /Ecosystem

By: Sanjay Verma, Wartsila / Stephane Maillard, GTT / Ivan Tan, Kongsberg, Cho Sin Hui, Viking Airtech / Giancarlo M. Potenza, PMSC S.A. Project Management & Ship Consultant
Moderator: Christina Wang, ABS

16:30 – 16:50 LNG As Marine Fuel – The Australian Perspective

By: Captain Walter P. Purio, Global Advocate of the LNG Marine Fuel Institute

16:50 – 17:00 Closing Remarks

By: Captain Walter P. Purio, Global Advocate of the LNG Marine Fuel Institute

17:00

END OF DAY TWO