



Technical Meeting

Wednesday, 24 January, 17:30 refreshments, 18:00 start
Engineers Australia - Auditorium,
712 Murray Street, West Perth

LNG as a Marine Fuel in Australia and East Asia: Drivers and Challenges

Captain Walter P. Purio
Chief Executive Officer, Marine Fuel Institute
Marine Advisor, Woodside Energy

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Abstract

The development of the "Green Corridor" bulk trade between Australia and East Asia is a strong driving force in promoting dual fuel new builds in the shipping industry. Emissions from ships in the Asia Pacific region have caused substantial negative outcomes for the region, with a recent Chinese study funding that 24,000 premature deaths each year in East Asia are related to air pollution from ships. Similarly, a new study has found that shipping emissions in shipping lanes in the South China Sea and elsewhere have contributed to more intense weather events, including thunderstorms and lightning strikes.

Recent joint industry projects led by DNV GL have worked to produce a dual fuel powered ship design that can be adapted for purpose. The next big hurdle for the LNG marine fuel industry will be unlocking the ability to retrofit existing ships to be dual fuel powered in an economical manner.

About the presenter

Captain Walter P. Purio is the managing director of P and H Marine Australasia Pty Ltd and currently assists oil and gas companies in Australia to develop their strategies to provide LNG as a marine fuel to the Australasian region. He acts as CEO of the LNG Marine Fuel Institute and serves as a marine advisor to Woodside Energy Ltd and Karara Mining Ltd providing marine expertise and advice specific to government and resource company marine issues as they explore the potential to establish an LNG as a marine fuel industry in the Southern Hemisphere and Asia Pacific region.

Captain Purio is a seasoned maritime industry executive who has worked across several disciplines including commercial shipping, marine finance, compliance, naval operations, offshore, mining and support to the oil and gas industry and holds a BS degree from the U.S. Merchant Marine Academy and MBA's from the University of Chicago and the Katholieke Universitat Leuven, Belgium.

NEWS & Upcoming Events

Attention of RINA Members outside Perth metropolitan area

Members based outside Perth metropolitan area who can't attend WA Section technical meetings for various reasons, please contact the Secretary: WA@rina.org.uk

WA Section Committee would like to know if we can help you with attending the Section meetings or organizing special meetings at your location.

WA Section Committee

Committee encourages all who have interest in joining or would like to know more about the Committee activities to contact the Committee for further information: WA@rina.org.uk

WA Section LinkedIn Page

Linked-in page: The Royal Institution of Naval Architects – WA Section. All members are encouraged to follow!

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Copies of Past Technical Presentations

Technical Meetings of 2017

Programs of WA Section technical meetings and PDF copies of presentations released by the authors are available from WA Section website

<https://www.rina.org.uk/WASectionProgramme>

AOG 2017 Conference – RINA Stream

PDF copies of the following presentations made at RINA Stream of AOG 2017 Conference in Perth are available for download from the following link on WA Section website

<https://www.rina.org.uk/WASectionForum>
<https://www.dropbox.com/sh/7yf08lv4up6spkv/AAC0A-aDB770C6MSYh6Jj50ba>

Thanks to the following authors and their affiliation companies!

Author	Affiliation	Title
Ashit Jadav	ARUP	Development of Self-Installing Deepwater Spar
Jeff Baker	Lloyds Register	FOI Compliance – Lessons Learned and Tools for the Future
Rob Gehling	AMSA	AMSA acceptance of Performance-Based Inspection regimes on FPSOs
Ian Milne, Scott Draper	UWA	RiverLab: Using the Swan River as a large wave basin and ocean analogue for innovative offshore engineering
Lim Soon Heng	EMAS	Floating nuclear power plants for a safer and cleaner future
Prof Qingwei Ma	University of London	Numerical modelling of marine structure behaviours in steep waves
Stuart Wales	AMOG	Advancement in Numerical Analyses of Heavy Lifts: Beyond the Boom-tip
Mark Evans	Lumina House	FPSO Redeployments - Realizing opportunities in the current market
Adrian Eassom	AMOG	LGS Technology for Drilling Risers - Reducing Costs by Increasing Operability whilst Improving Safety

RINA News & Events

Next Technical Meeting

Next technical meeting of WA Section will take place in March 14th, 2018. Program will be advised in the Western Bulletin and via the Section Linked-in page.

Future Technical Presentations

WA Section is inviting proposals from members, industry professionals and academia for new papers and presentations at the future technical meetings. Please contact us via e-mail: WA@rina.org.uk.

The Australian Naval Architect

All members are welcome to provide any industry updates for the Australian Naval Architect including people movements, new projects, current project updates and articles. Please send any updates to Tim: tim@perthhydro.com

RINA WA Section Library

We are pleased to announce that library will be moved to the new premises and be easily available to all interested. In meanwhile, contact Mal Waugh, Tel: 08 9591 9600, when you require any library material.



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