



RINA WESTERN BULLETIN

Technical Meeting

Wednesday, 26 July 2017

Engineers Australia - Auditorium,
712 Murray Street, West Perth

17:30 refreshments, 18:00 start

FPSO Integrity and New Technology

Two Presentations

WA Section RINA Committee

Chairperson: Yuriy Drobyshevski
Vice Chair: Nick Bentley
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Members: Matthew White
Tim Gourlay
Division Rep: Kalevi Savolainen

WA Section Committee is inviting new members to join the Committee; please contact Secretary for further information

Presentation #1

FPSO Hull Integrity Management: Challenges inherent from transfer of operatorship and practical opportunities by which inspection, engineering and repairs can be optimised to reduce OPEX

**Alex Mosnier, CEng, MRINA
Lumina House Consulting**

Abstract

Recent market conditions have resulted in an increasing number of FPSO operations changing hands, whether passing from an FPSO Contractor to an Oil company, or from an established high production volume, high cost base Operator to a lower cost base Operator targeting mid to late life fields. This presentation will explore the hull integrity management challenges inherent in transfer of operatorship, and then discuss practical opportunities by which inspection, engineering and repair strategy can be optimised to ensure integrity is maintained and the associated OPEX is minimised.

About the Presenter

Alex is a Chartered Naval Architect with seventeen years' technical, strategic, commercial and management experience in the oil and gas, commercial and defence sectors. He has particular expertise in structural design, construction and integrity.

Alex started his career with a firm grounding in R&D at the Wolfson Unit in Southampton. He subsequently spent 4 years in design and construction as Project Naval Architect at Austal ships working on high speed ferries, yachts and naval patrol boats. With Frazer Nash he then spent 5 years running the Wholeship Integration / Build Yard Support team for the Queen Elizabeth Class Aircraft Carriers. Alex has spent the last seven years in Floating Production performing technical, strategic and commercial work across all project life-cycle phases from Concept to Decommissioning. Throughout 2015-16 he was Lead Naval Architect for the Shell Crux FPSO Concept Select. Alex is a founding Director of Lumina House Consulting, and currently the Northern Endeavour FPSO Hull & Moorings Technical Lead.

NEWS & Upcoming Events

Chartered Engineer News

Congratulations to newly registered Chartered Engineers (UK EC) and corporate RINA members:

Malcolm Waugh, CEng, FRINA
Michael Morris-Thomas, CEng, MRINA
Gordon Blaauw, CEng, MRINA

Technical Presentations

Future technical meetings in the City will take place at Engineers Australia office in West Perth. Next technical meeting is planned for September 2017. Details will be advised closer to the event.

WA Section is looking for 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 industry updates for the Australian Naval Architect including people movements, new projects, current project updates, and industry related articles.

Please send any industry updates to Tim Gourlay at tim@perthhydro.com or to WA Section Secretary at WA@rina.org.uk



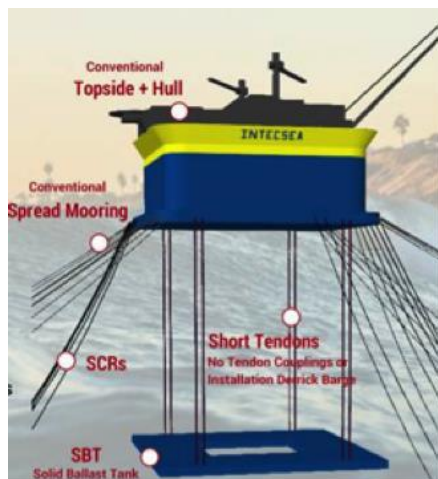
Presentation #2

Low Motion FPSO

Yuriy Drobyshevski, PhD, CEng, MRINA
INTECSEA

Abstract

This presentation will discuss technical features of the Low Motion (LM) FPSO, a new type of a floating production system, which was developed to maintain advantages of the conventional FPSOs while offering superior motion performance. The LM-FPSO is demonstrated to perform well in very harsh environments and in the presence of persistent swells, making it suitable for steel catenary risers (SCR) and top tension Risers (TTR).



The novel LM-FPSO design is a result of several-year technology development which undergone extensive model tests, reviews at open industry meetings, and received Approval in Principle from DNV. This presentation will discuss the key components of the system and its differentiators, will show its motion performance by predictions and model tests, and will explain the construction and installation sequence.

About the Presenter

Yuriy is a naval architect with 30 years of experience, with the past 16 years in Australian offshore industry. His experience includes design and analysis of floating structures and mooring systems, including FPSOs, Semi-submersibles and Tension Leg Platforms, as well as construction vessels and marine operations. He acted as a lead discipline engineer, owner's engineer, study manager and technical advisor on multiple projects, both in Australia and internationally, as well as a manager of a floating systems group at INTECSEA. Before moving to Australia many moons ago, Yuriy worked at a shipping company as its Technical Director looking after technical management and acquisition of ships, at a maritime university and at a salvage company.

WA Section RINA AGM

WA Section RINA Annual General Meeting was held on May 16. Big thank you to all who attended the meeting!

WA RINA LinkedIn Page

We are pleased to announce launching of WA RINA Linked-In page. Web link to the page will be communicated shortly.

RINA WA Section Library

The library catalogue can be viewed at <http://www.rina.org.uk/walibrary>. For more information and access to the library, please contact:

Mal Waugh, Tel: 08 9591 9600,
Address: 85 Chalgrove Ave,
Rockingham
Access hours: Monday to Friday 0900 to 1500 with 24-hour notice preferred.
Visitors must have Government issued photo ID to access this building.

IMarEST News: Technical Meetings

Date: Topic:

Aug 16 Cyber Risk in Marine Sector
Oct 18 Awards Night

Venue: Flying Angel Club, 76 Queen Victoria Street, Fremantle

Time: 5:30 pm

E-mail: secretary.auwa@imarest.net

Tel: 0412 027 542