RINA UAE Branch

THE ROYAL INSTITUTION OF NAVAL ARCHITECTS

Invite for Branch Meeting & Technical Paper Presentation

Date/ Time - **Wednesday, 1 June 2016, 6.30 PM to 8.30 PM.**

Venue - **Banquet Hall, City Seasons Al Hamra Hotel, Abu Dhabi**

Agenda

6.30 PM – 7.00 PM	**Networking/ High Tea**
7.00 PM – 7.30 PM 	**Welcome to Mr. Trevor Blakeley, RINA Chief Executive** **Mr. Blakeley's address to RINA Members/ Invited Guests**
7.30 PM – 8.10 PM **Paper 1**	**Development of Light Well Intervention and Drilling Cantilevers for GMS Self Propelled Self Elevating Vessels** **Mr. Mark Harvey, C Eng. MRINA,** Technical Manager, Gulf Marine Services, Mussafah, Abu Dhabi.
	**Synopsis:** In early 2015 GMS initiated a feasibility study on the introduction of cantilevers and drilling systems on their mid and large size SESVs. Following a period of extensive market research and technical studies GMS signed a co-operation agreement with Dwellop AS of Norway. The partnership brings together GMS' experience in SESV construction and operation and Dwellop's expertise in topside systems for well intervention and work-over. The result of this collaboration is an innovative cantilever system for the vessels that will provide GMS' current and prospective clients with new cost-effective solutions for work that has traditionally been performed by more expensive non-propelled drilling rigs. **Presenter Profile:** Mark Harvey CEng MRINA is a Naval Architect with over 25 years' experience in the marine and offshore industry. Mark joined Gulf Marine Services as Technical Manager in January 2015. Formerly Mark has held senior engineering positions at SBM Offshore, Bumi Armada Berhad, Lamprell, Dubai Drydocks, Alan Conroy & Partners, Lloyd's Register of Shipping and UK MoD. Mark is currently the project manager for cantilevers and associated drilling systems to be installed on both the mid and large size SESVs owned and operated by GMS.
8.15 PM – 9.00 PM **Paper 2**	**Site Soil Condition On Dynamic Response Of Jack-up Platforms With Seabed Penetrating Spuds** **Mr. Abdul Gaffur Varikkodan** Lead Structural Engineer, ZADCO (Zakum Development Company), Abu Dhabi
	**Synopsis:** Design to ABS MODU require jack-up legs penetrating sea bed are to be considered pinned at least 3 m (10 ft) below the sea bed. When considering a loading condition that includes the unit's dynamic response, this boundary condition become very critical for the leg design, especially for platforms with high natural period, such that to meet this condition the leg scantling has to be increased drastically. As a mitigation ABS MODU permits to take the credit of the added stiffness provided by spud can-soil interaction for the loading condition that include dynamic response. However, the soil conditions vary from site to site and the dynamic analysis has to be performed for various conditions of soil encountered at site while designing the platform legs. This paper presents the effect of soil stiffness on the dynamic response of a jack-up platform and its effect on legs scantlings.

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	Presenter Profile: **Abdul Gaffur Varikkodan**, Lead Structural Engineer at ZADCO (Zakum Development Company. Abu Dhabi) has over 22 years of Post Graduate experience in the petrochemical and oil/gas industries as a Team Leader, Project Manager and Lead Structural Engineer. A graduate Naval Architect from Cochin University of Science and Technology, India, he has done his Master of Technology in Ocean Engineering from Indian Institute of Technology, Madras with specialization in Offshore Structural Engineering and Marine Geotechnical Engineering. Abdul Gaffur has a proven track record in design and supervision of complex projects and sound experience in all aspects of structural steel design & design of foundations. Before his stint with ZADCO, he has worked with industry leaders including WS Atkins & Partners, Det Norske Veritas, John Brown Engineers, Penspen International Limited and AGOC (Aramco Gulf Operations)
9.00 PM	**Dinner**

Event Sponsors:

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Location Map
City Seasons Al Hamra Hotel, Abu Dhabi

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