The Institution of Engineers, Malaysia

Oil, Gas & Mining Technical Division

ONE-DAY COURSE ON "OFFSHORE SAND SEPARATION: DESIGN, OPERATION AND MAINTENANCE

When >>
~~3 July 2021~~
Rescheduled to
27 November 2021
Saturday/9.00 am

Where >>
GoToWebinar

Speakers >>
Ir. Dr. John Eow

BEM Approved CPD/PDP Hours:
7 Hours
(IEM21/HQ/158/C(w))

	ONLINE (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	NORMAL FEE (by fax & email) Payment by cash, credit card and bank-in
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Cancellation Policy
No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

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"IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion'.
For intending participants who choose to 'walk in without prior registration',
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SPEAKERS

Ir. Dr. John Eow is a Professional Engineer (BEM) and Chartered Engineer (UK) and, with more than 16 years' experience in the Oil & Gas industry, having worked with offshore sand separation and management, produced water treatment, crude oil dehydration-desalting, seawater treatment & injection, and gas processing technologies and equipment. He also conduct lectures and training in chemical and process engineering at Singapore Institute of Technology. John obtained his B.Eng in Chemical Engineering (1st Class Hons) and PhD in 1998 and 2002, respectively, from the University of Surrey, UK. His PhD work was on electrostatic water-oil treatment technology. Over the years, he has worked as a technology specialist with oil & gas technology companies, such as Global Process Systems (Malaysia), Keppel Offshore and Marine (Singapore), Cameron Process Systems (Singapore, Japan and Malaysia), and EDES Technology Malaysia. His experiences cover a wide range from Technical and Commercial Proposal to Detailed Engineering to Commissioning to Production Improvement & Troubleshooting for oil & gas processes and technologies. He has also conducted technical training and process improvement work for Saudi ARAMCO, SABIC, PETRONAS, Sarawak SHELL, CNOOC, Murphy Oil Sarawak, Husky Oil Energy, GAIL India, Transwater API, CPOC, Boustead-Salcon Water Solutions, etc. John is also a HAZOP and LOPA study facilitator for oil & gas companies.

Email: johneow@hotmail.com

SYNOPSIS

In the upstream offshore oil & gas production, effective and efficient sand separation and management are vital, since the presence of sand particles and solids in wellhead production flowlines has the potential to cause erosion and blockage issues in the subsequent downstream equipment at production platforms. As a consequence, dangerous incidents, such as failures of flowlines, production separators, pumps and control valves, have a higher risk of occurring. Moreover, oily sands discharged into the sea are an environmental concern.

In this 1-day course, the participants will learn the engineering design, operation and maintenance of the technologies, such as wellhead desanders, for the removal and cleaning of sand and solids prior to discharge. Proven sand removal technologies, such as wellhead desanders, produced water desanding hydrocyclones, sand fluidizers, and sand cleaning systems are commonly used in the upstream oil & gas production. However, these sand removal and cleaning systems need to be designed and operated correctly to ensure optimized separation performance.

The course will cover the following:

- Equipment Engineering Design Philosophy (Principles of operation, desander performance characteristics),
- Package Description (Review of all package components, major design and engineering features),
- Equipment Start-up Procedure (Initial start-up/commissioning, normal start-up),
- Normal Operation Procedure (Operating parameters, system monitoring, solids removal),
- Shutdown procedure (Temporary isolation, prolonged shutdown),Troubleshooting and maintenance (Routine maintenance, liner removal and replacement).

After completing the course, the participants will be able to understand the importance of offshore sand separation processes and how it can be performed effectively and efficiently during the design, operation and maintenance stages. For more information, you can contact the course trainer via email: johneow@hotmail.com

TENTATIVE

TIME	PROGRAMME
09:00 – 09:15	Introduction of speaker and topics of discussion
09:15 – 10:30	Background: Equipment Engineering Design Philosophy
10:30 – 10.40	**Break**
10:40 – 12.00	Process System Package Description of Wellhead Desander
12:00 – 13:00	Equipment Start-up Procedure
13:00 – 14:00	***Break Session***
14:00 – 15:00	Normal Operation Procedure
15:00 – 15:50	Shutdown Procedure
15:50 – 16:00	**Break**
16:00 – 17:00	Troubleshooting & Maintenance of Wellhead Desander
17.00 – 17.30	Q & A Session, Conclusion / Evaluation

**** IEM reserves the right to postpone, reschedule, allocate or cancel the course***

REGISTRATION

WEBINAR ONE-DAY COURSE ON
"OFFSHORE SAND SEPARATION: DESIGN, OPERATION AND MAINTENANCE"

3 JULY 2021

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No	Name(s)	Membership No.	Grade	Fee (RM)*
			SUB TOTAL	
			+ 6% SST	
			TOTAL PAYABLE	

PAYMENTDETAILS :

FULL PAYMENT must be settled before commencement of the seminar, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person : _____ Designation : _____

Name of Organization : _____

Address : _____

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Telephone No. : _____(O) Fax No : _____(O)

Handphone : _____(HP) Email: _____

_____ _____

Signature & Stamp Date

TERMS & CONDITIONS:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u – Personal Saving & Personal Current ; Credit Card - Visa/Master.
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- The Organising Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

For further details, kindly contact:

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