



TALK ON OVERVIEW OF CENTRIFUGAL PUMP BASIC PRINCIPLES: THE THEORY AND APPLICATION

(Organised by Oil, Gas & Mining Technical Division, IEM)

BEM Approved CPD/PDP Hours : 2 Ref No : IEM16/HQ/470/T

Date : 12th November 2016 (Saturday)
Time : 9.00 am – 11.00 am
Venue : TUS and C&S Lecture Room, 2nd Floor Wisma IEM, Petaling Jaya
Speaker : Ir. Hassanazhari Ahdi

SYNOPSIS

OVERVIEW OF CENTRIFUGAL PUMP BASIC PRINCIPLES: THE THEORY AND APPLICATION shall provide the audience with the knowledge and principles of pump design, sizing, selection and performance analysis. The talk will explore the overview of basic theory and the application of the pump in the industry. The talk will be beneficial to engineers dealing with pump and will be presented in a way that is comprehensible to the engineers who are with or without the oil and gas background. The objectives of the talk are to provide exposure to the audiences on understanding of fundamental design of centrifugal pump and impact on its application.

Centrifugal pump in the oil and gas industry is a 'must equipment' on every plant/site and talk will answer questions that many people have, such as how important this equipment onboard, understanding the requirement and criticality of the pump within the whole system and matching those to the correct pump selection. Some highlights of the talk are back to fundamental of mathematical modeling of the centrifugal pump on various aspects of its parameters, type and material selection. These are the major factors in ensuring the selected pump match the required performance as well as the ensuring the reliability of the pump.

BIODATA OF SPEAKER

Ir. Hassanazhari Ahdi has been in the oil and gas industry for 25 years working for companies such as Technip, TPVN, KPOC and SDE. His core expertise is in design works, erection, testing, hook-up and commissioning. Currently, he is an independent consultant providing consultancy for various design office. He was a graduate of University of Malaya with a degree in Mechanical and Masters in Engineering from UTM. He has served many major Oil and Gas Company local and abroad such as PETRONAS, SHELL, EXXON-MOBIL, QATAR PETROLEUM, QATAR MEARSK OIL, TOTAL, CONOCO-PHILIPSS and CUU LONG.

His experience covers several major onshore/offshore of turnkey project started from proposal, FEED, detailed design, erection, pre-commissioning/commissioning until handover to operation. Projects involved such as Polyethylene Plant, PVC Plant, Cabot Semi-Scale plant, BP-Amoco PTA Plant, MOQ BG-BA Platform, KPOC Platform etc. Beside green field his experience covers brown field too on retrofitting, debottlenecking of offshore platform and onshore plant.

He has delivered lecture for Executive Diploma student at UTM covering mechanical discipline which syllabus tailored to specific application to oil and gas industries.

Ir. Mohd Azwira Mohd Azmi

Chairman

Oil, Gas & Mining Technical Division, IEM

ANNOUNCEMENTS TO NOTE:

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
- **Non members** may also attend the talk but will need to pay a registration fee of **RM50** and an administrative fee of **RM15**. GST is inclusive.
- For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
- **IEM members who fail to produce their membership cards will be charged a fee of RM25.00. GST is inclusive.**

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

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