



THE INSTITUTION OF ENGINEERS, MALAYSIA

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TALK ON “STRUCTURAL INTEGRITY ASSESSMENT IN OIL & GAS PLANTS – A CASE STUDY”

(Organized by Oil, Gas and Mining Technical Division, IEM)

DATE : 13 MARCH 2010 (SATURDAY)
TIME : 9.30 AM TO 11.30 AM (Refreshment will be served at 9.00 am.)
VENUE : 2ND FLOOR, WISMA IEM, PETALING JAYA
SPEAKER : IR. MOHD NAZRI MUSTAFA

BEM Approved
CPD/PDP HOURS: 2
Ref No: IEM 10/HQ/ 045/T

SYNOPSIS

With ageing of oil & gas plants, change of structural use, additional loadings imposed onto the structures, etc, there is a need to perform structural integrity assessment on existing structures. The purpose of the structural integrity assessment is to investigate defects, establish remaining strength and identify future allowable loadings that could be sustained by the structure.

In this technical talk, the methodology of such structural assessment in oil & gas environment is discussed. The talk comprises two sections, namely structural inspection and defects assessment and structural analysis to identify structural utilization ratio and reserved strength. The assessment methodology, the problems encountered, codes requirements and the conclusion of such study that is presented to the audience would serve as a useful reference and benchmark for other similar structural assessments.

BIODATA OF SPEAKER

Ir. Mohd Nazri Mustafa holds a B.E in Civil Engineering from the University of Wollongong, Australia. He has 18 years of experience in dealing with civil and structural engineering issues in oil, gas and, petrochemical plant environment. He has been involved in projects such as Gas Processing Plants GPP 5&6, Propane Dehydrogenation Plant Project, Malaysia LNG, GPP1 Revamp & Rejuvenation and Petronas projects in Sudan.

Ir Nazri is currently a Principal Engineer for Civil & Structural (Downstream Sector) in Group Technology Solutions, Research & Technology Division of Petronas. He has led in undertaking several structural integrity assessments and provided consultancy on various Petronas plants with regards to general civil and structural issues.

Ir Nazri is a Professional Engineer and a Corporate Member of IEM.

IR. AL-KHAIRI MOHD DAUD
Chairman
Oil, Gas and Mining Technical Division

Announcement to note:

1. Admission is free for IEM members (walk in)
2. Non members will be charged RM20.00 subject to availability of seats
3. Seats available on "first come first served" basis (maximum 110 participants)
4. Telephone and/or fax reservation will not be entertained
5. Latecomers will not be allowed entrance if hall is full
6. Please bring along this flyer for confirmation of attendance (CPD purpose)

For IEM members, membership cards MUST be presented for identification purpose. Members who fail to show their membership card will be charged a fee of RM20.00.

FUNDS FOR IEM NEW BUILDING

Kindly be informed that IEM will be charging participants RM10.00 administrative fee to morning talks organized by IEM. The fee would be used for overhead costs, building maintenance expenses as well as to support the purchase of the new building.

Students are however exempted. Your understanding is greatly appreciated.

FOR OFFICE USE ONLY (CPD HOURS CONFIRMATION)

Name of Member:

M' ship No:

Signature: