

Chairman,
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The Institution of Engineers Malaysia,
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REGISTRATION FORM

Contact Person: _____ Designation: _____

Name of Organization: _____

Address: _____

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

_____ (H) _____ (HP)

Email: _____

Signature & Stamp

Date

***Fees MUST be fully paid a WEEK BEFORE the commencement of the course. Bookings by fax from outstations MUST be forwarded with payments at least a WEEK BEFORE the day of the course. Seats could only be confirmed upon payment.**

Enclosed herewith a crossed cheque No: _____ for the sum of RM _____ issued in favour of "**The Institution of Engineers, Malaysia**" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the **cancellation term**. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

FULL PAYMENT must be settled before commencement of the course, otherwise participants will NOT be allowed to enter the hall. If a place is reserved and the intended participants fail 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. Registration fee includes lecture notes, refreshment and lunches.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **within 7 days** of the registration date. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.



The Institution of Engineers, Malaysia

2-DAY COURSE ON VALUE BASE MAINTENANCE USING PROACTIVE RELIABILITY CONCEPT

Organised By:
Oil, Gas and Mining Technical Division

Date : 25 & 26 July 2011 (Monday & Tuesday)

Venue : TUS Lecture Room, 2nd Floor, Wisma IEM

Time : 9.00 am - 5.00 pm

BEM Approved
PDP/CPD Hours = 12.5
Ref. No: IEM11/HQ/157/C

<u>Registration Fees:</u>	<u>Online Registration</u>	<u>Normal</u>
IEM Student Members	: RM880.00	RM930.00
IEM Graduate Members	: RM930.00	RM980.00
IEM Corporate Members	: RM950.00	RM1000.00
Non IEM Members	: RM1420.00	RM1500.00

Objective

The course will discuss on the importance of engineering and maintenance team to support an organization success. The basis of all maintenance activities has to be clearly defined so that the activities add value to the organization by aligning them with the vision, mission and values of the company. The concept and methodology of value creation by maintenance will be discussed with participants in an interactive manner.

Biodata of Speaker

Ir. Al-Khairi Mohd Daud, P.Eng, C.Eng, MIEM, B.Eng(Hons) – Mechanical Engineering, University of Leeds, MBA.

Ir. Al-Khairi has a varied experienced in project, engineering, maintenance and reliability experience from various industries. Ir. Al-Khairi started his career a research assistant with Shell Research Centre in Thornton, United Kingdom in 1991. He came back to Malaysia and worked as a plant engineer with Associated Pam Malaysia Cement (APMC) Sdn Bhd, a cement plant, in Rawang, Selangor. He further developed his professional experience in oil and gas sector with Shell/PETRONAS via Malaysia LNG in Bintulu. He subsequently joined Uniqema Malaysia (an oleo-chemical plant), which is a subsidiary of Unilever and later ICI.

He went back to petrochemical plant when he became the Maintenance Manager with UCB Chemicals in 2002. His experience was enriched when he set up the facilities and equipment department with a world class Research and Development Company together with its factory set up. He then headed a similar role with a leading Medical Centre in Klang Valley prior to setting up his own consultancy company presently.

During his career, Ir. Al-Khairi has implemented various CMMS software's such as SAP. MP2. Mintsavers and CWork. He also had won an award for his outstanding contribution on SHE excellent from ICI. Currently Ir. Al-Khairi is the Chairman of the Oil, Gas and Mining Technical Division of the Institution of Engineers Malaysia. Ir. Al-Khairi has developed an international alliance with other reliability Professionals under Uptime Alliance (see www.consciousasset.com and www.fageh.com). Ir. Al-Khairi's objective is to let the industry benefits from world class maintenance and reliability practices.

Course Program

25 July 2011	Monday
8.30am – 9.30am	Registration
9.30am – 10.30am	Maintenance as A Support to Business Objectives
10.30am – 10.45am	Break
10.45am – 12.15pm	Maintenance Environment and the Perception
12.15pm – 13.00pm	Lunch
13.00pm – 15.15pm	Maintenance Practices: From Reactive to Predictive Methodology
15.15pm – 15.30pm	Break
15.30pm – 17.00pm	Maintenance Practices: From Reactive to Predictive Methodology
26 July 2011	Tuesday
09.00am – 10.30am	The Proactive Maintenance Team
10.30am – 10.45am	Break
10.45am – 12.15pm	Identifying Value Propositions
12.15pm – 13.00pm	Lunch
13.00pm – 15.15pm	It is Not About Maintenance, It is About Improvement
15.15pm – 15.30pm	Break
15.30pm – 17.00pm	Value Base Maintenance in Overall Asset Life Issues
	Question and Answer

Course Program

25 July 2011

1. Maintenance as A Support to Business Objectives

- The key role that maintenance plays in achieving business success
 - Maintenance as a profit creator
 - Justifying maintenance resources. Proving your worth
 - Maintenance impact on Safety and Legal costs
 - Maintenance contributing to long – term competitive advantage
- Discussion 1 : Discussion on how maintenance can prove business bottom line

2. Maintenance Environment and the Perception

- Issues and perception in maintenance
 - Maintenance team skills and competencies improvement
 - Maintenance team customers – who are they and how to effectively manage them
- Discussion 2 : Discuss the challenge that maintenance team faced ?

3. Maintenance Practices: From Reactive to Predictive Methodology

- The direct and indirect costs of maintenance
 - Effect of too little or too much planned maintenance
 - Are “competent” engineers planning and doing the maintenance work?
 - Moving through Corrective, Preventive / Predictive to proactive Maintenance
 - What is the right mix of maintenance strategy?
- Discussion 3 : Has your organization developed the correct mix of maintenance activities? Do you identify real maintenance costs and respond to those costs?

26 July 2011

4. The Proactive Maintenance Team

- Getting into the mind of technicians and supervisors
 - Why change is difficult?
 - Maintenance Leadership as the key to change
 - What are value propositions and how to apply the concept to maintenance?
- Discussion 4 : Value proposition brainstorming sessions that is applicable for own organization

5. Identifying Value Propositions

- Definition of value engineering and simplicity
 - Ten steps of simplicity
 - What are value propositions and how to apply the concept to maintenance?
- Discussion 5 : Value proposition brainstorming sessions that is applicable for own organization

6. It is Not About Maintenance, It is About Improvement

- Identifying where improvement can be obtained
 - Predictions of failures by trending and not waiting for surprise failure
 - How team work will support improvement cycle
 - Quality cycle for value enhancement
- Discussion 6 : Development of value improvement team

7. Value Base Maintenance in Overall Asset Life Issues

- Where to add value in overall equipment life cycles
- Valuing Maintenance input in design process
- How contractors can add value to maintenance team
- Is there value in decommissioning of equipment?

8. Question and Answer