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WEBINAR TALK ON

ENGINEERING ASSET MANAGEMENT

Organised by:
Project Management Technical Division, IEM

BEM Approved CPD: 2
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SPEAKER:

ASSOC PROF DR ABD. RAHMAN BIN ABDUL RAHIM

3 OCTOBER 2023, TUESDAY

3.00PM - 5.00PM

REGISTRATION FEE :

IEM STUDENT : FOC
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SYNOPSIS

Asset management is dedicated to help a company plan, procure, install, commission, monitor, manage and dispose their assets using a systemised approach. Assets must be managed effectively to improve productivity and efficiency with the least possible downtime to increase return on investment. A good maintenance system can prevent any unnecessary, additional costs being incurred due to unscheduled downtime or repair. By having such a system in place allows companies to track the overall performance of their assets to ensure that they're being utilised efficiently. An asset management system allows for performance to be monitored and reviewed.

Asset management encompasses the entire lifecycle of an asset. Every asset has an optimum operating life where performance is at a peak. After a period of use, wear and tear will reduce this. And once an asset is at this stage, maintenance and repairs costs can exceed the cost of a replacement. Sometimes, the technology of that asset is also obsolete and cannot be integrated with other systems. For an engineering asset, it is the lifecycle from procurement, maintenance, repair, operations through to upgrading or disposal. All costs associated with an asset need to be factored in to determine the total cost of ownership for each asset. This information can then be used as a benchmarking tool to determine which are the most cost-effective and suitable assets for the company.

SPEAKER'S PROFILE

Dr. Abd Rahman Abdul Rahim is an Associate Professor at Razak Faculty of Technology and Informatics, UTM Kuala Lumpur. He is also an associate lecturer at Meiji University, Tokyo, Japan. Prior to joining UTM he has worked with two multi-national corporations in the area of manufacturing. He graduated with a B.Sc. in Mechanical Engineering and B.Sc. in Engineering Management from University of Evansville USA in 1988. He obtained his MSc in Manufacturing Systems Engineering from Warwick University in 1991 and his PhD from Universiti Teknologi Malaysia in 2006. He also received a Certificate in Occupational Safety and Health in Manufacturing Industries from Worksafe Western Australia in 1998.

He has conducted training with various multi-national and local companies throughout Malaysia in the area of Operations and Production Management, Occupational Safety and Health, Emergency Response Plan, 5-S and Housekeeping, Project Management, Total Productive Maintenance, Poka Yoke, Quality Improvement, Statistical Process Control, ISO 14000, ISO 9000, HACCP, GMP, Production Planning and Control and Method and Time Study. He is also an invited speaker at Federation of Malaysian Manufacturers (FMM), National Institute of Occupational Safety and Health (NIOSH), Malaysian Institute of Human Resource Management (MIHRM), Incorporated Society of Planters, (ISP), ALAM, International Business School (IBS), Chemical Engineering Pilot Plant (CEPP), and Business and Advanced Technology Center (BATC), Institut Pembangunan Pengurusan Johor (IPPJ), Prestariang and Pusat Pembangunan Tenaga Industri Johor (Puspatri). He has also conducted training for Sudan Master Technology (SMT) in Khartoum in 2014. He was also an examiner and interviewer for Safety and Health Officer competency certificate (NIOSH).