



IR 4.0 Industrial Solution for Hydraulic System Maintenance

by Nor Azilan Jaafar

e-cert
provided

Organised by Mechanical Engineering Technical Division, IEM

BEM APPROVED CPD HOURS: 1.0
REF. NO.: IEM21/HQ/074/T(w)

23 March 2021
Tuesday
3 pm - 4 pm

REGISTRATION FEE:
IEM Member: RM 15
Non - IEM Member: RM 70

Follow Us:



Instagram
myiem_official



Telegram
MyIEM HQ Official - General



Register online at www.iem.org.my

Synopsis

Every day we are hearing more and more about the internet of things (IoT), the next generation of the internet, Essentially, the internet of things is the interconnection of everyday devices to the internet. The concept of the IoT is so big that it has been described as the fourth industrial revolution after steam, mass production and the internet. Today, IoT has been used to manage an asset rather than performing routine calendar-based inspections and component replacement, predictive techniques monitor equipment for pending failures and notification when a part replacement is required. Sensors embedded in equipment check for abnormal conditions and trigger work orders when safe operating limits are breached. When a predictive maintenance strategy is working effectively, maintenance is only performed on machines when it is required, thus reducing the parts and labour costs associated with replacements. With more and more systems shipping with internet connectivity, the concept of predictive maintenance is likely to expand exponentially in the internet of things. In this presentation, a few examples and ideas on how the sensors use in Hydraulic System will be exposed. This will help to predict the abnormal happen to the system before it suddenly gets breakdown.

About Speaker

Nor Azilan Jaafar is a committee member of METD (Mechanical Engineering Technical Division) Institute of Engineers, Malaysia (IEM). He has 20 years' experience in tyre manufacturing machine and CNC machine in design, maintenance & retrofitting.

Currently, he is the Program Coordinator for Machine Tools Maintenance Program in German-Malaysian Institute. He holds B.Eng. in Mechanical Engineering (Hons) from USM and M.Eng. in Manufacturing System from UKM.

Follow Us:



Instagram

myiem_official



Telegram

MyIEM HQ Official - General

Register online at www.iem.org.my