

WEBINAR TALK ON

"UTILIZING THE VIBRATION MEASUREMENT ANALYSIS TOWARD SUSTAINABLE ENGINEERING FOR INDUSTRY AND THE ROYAL MALAYSIAN NAVY (RMN)"

BEM Approved CPD / PDP Hours : 2

Ref no: IEM20/HQ/220/T (w)

SPEAKER :

Lt Cdr Ir. Mohd Shafiq Sharhan bin Zainal RMN

19 November 2020 (Thursday)

3.00pm - 5.00pm



**REGISTRATION FEE
(EFFECTIVE ON 1 AUGUST 2020)**

IEM MEMBERS : RM 15.00

NON IEM MEMBERS : RM 70.00

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SYNOPSIS

Vibration measurement analysis is widely used in the industry as an indicator to predict machinery breakdown and estimate the predictive maintenance action to machinery. The analysis is one of the essential methods in Condition Based Maintenance (CBM). The right implementation of vibration analysis is important to improve machinery availability, productivity and reduce downtime.

This talk aims to provide the benefit of vibration analysis to industry and RMN toward sustainable engineering. The presentation will discuss on industry and RMN with Occupational Safety and Health Act (OSHA) implementation. Besides, an extensive vibration theoretical element (SDOF/MDOF model, FFT, Windowing) and methodology is presented as a suggestion to improve CBM accuracy thus enhance machinery efficiency

SPEAKER'S DETAILS

Lt Cdr Ir. Mohd Shafiq Sharhan bin Zainal is a Mechanical Engineer in the RMN since 2008. Throughout his service, he has held several appointments ashore and at sea as well as Deputy Marine Engineering Officer KD SELANGOR and Engineering Officer KD KINABALU.

Lt Cdr Ir. Shafiq holds a Bachelor's Degree in Mechanical Engineering from University Technology Malaysia (2008), Master of Management from UNITAR International University (2018). On 2018, he is the first RMN officer awarded a scholarship from The Swedish Institute where he earned his Master of Mechanical Engineering (Structural Mechanics) from Blekinge Institute of Technology (2020) and Diploma in Self Leadership Programme (2020).

Lt Cdr Ir. Shafiq has attended various professional and academic careers throughout his career including Nuclear, Biological, Chemical, Defense Instructor (NBCDI) at New Zealand (2011). He registered as a Professional Engineer accredited by Board of Engineers Malaysia in 2015.