

# WEBINAR TALK ON "CMMS - SUCCESSFUL IMPLEMENTATION TO ALUMINIUM SMELTING POT ROOM"

**DATE: 3 NOVEMBER 2023 | TIME: 3.00 PM-5.00 PM**

BEM Approved CDP: 2 Hours Ref. No.: IEM23/HQ/440/T (w)

## Synopsis

CMMS stands for Computerized Maintenance Management System. It is a software solution. Designed to help organizations efficiently manage their maintenance operations and assets. In a fast-paced and technologically advanced world, organizations across various industries face the challenge of maintaining their assets, machinery, and equipment to ensure smooth operations and reduce downtime. The Computerized Maintenance Management System (CMMS) offers a comprehensive solution to streamline and optimize maintenance management processes.

The CMMS is a sophisticated software platform that integrates with an organization's existing infrastructure, allowing them to digitize and automate maintenance tasks, documentation, and scheduling. The system records vital information about each asset, including its location, maintenance history, parts inventory, and associated costs.

There are also many standalone Software as a Service (SaaS). Press Metal Bintulu is using this type of relatively simple and easy to use cloud base software for the maintenance management. This software has helped the team to improve the performance of the department.

This presentation is to elaborate the successful implementation of CMMS for one of the most important machines in the smelting process called the POT TENDERING MACHINE (PTM). The PTM is the most critical equipment for the electrolysis process and almost all the process activity relies on this machine.

## Speaker's Biodata

**Ir. Tong Seng Won**, a Malaysian aged 60, is working for Press Metal Bintulu Sdn. Bhd. He is heading the Engineering Support Division for the Aluminium Smelting Plant in Bintulu Sarawak. His main responsibility is implementing digitisation of the engineering activity of the plant especially the maintenance of production facilities.

He graduated with a Bachelor of Engineering in Mechanical and Master of Engineering in Manufacturing from University Malaya in 1994. He is a Professional Engineer in Mechanical registered with the Board of Engineers Malaysia and Grade 2 Steam Engineer registered with the Department of Occupational Safety and Health Malaysia. He is also a Registered Electrical Energy Manager with the ST Malaysia.

He started his career with Anshin Steel Industries Sdn Bhd in 1988 as a mechanical Engineer and in 1994 he joined Hitachi Plant Construction as an Assistant Project Manager in charge of the project for the construction of beam and section mill in Gurun. In 1995, he joined Petropipe Sdn Bhd as Deputy General Manager and subsequently he worked as an expatriate for setting up a few rolling mills and steel plants in Iran from 2003 to 2010.

Upon returning from Iran, he joined an aluminium smelting plant in Sarawak in 2011. 2 years later he went back to the steel industry and working for Perwaja Steel Industries Sdn Bhd as a Chief Operating Officer in 2012 to 2015.

With his 25 years of working experience in the steel industry involving upstream and downstream processes, he then joined AYSH as Group Engineering & Manufacturing Director from 2016 to 2020 and is responsible for improvement, expansion, and development of manufacturing and engineering facilities of the Group.

During his employment with AYSH, he has completed the Industry 4.0 steel structure fabrication plant for the company before he is being offered and returned to join Press Metal for the Aluminium Smelting Plant again.



*Ir. Tong Seng Won*

### Registration fee

**Student Member: Free**

**IEM Member: RM15.00**

**Non-Member: RM70.00**

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