

# PHYSICAL TALK ON "OVERHEAD CRANE HAZARDS: REAL CASES, ROOT CAUSES, AND PREVENTION STRATEGIES"

BEM APPROVED CPD: 2.0

REF NO: IEM26/HQ/047/T



**DATE**  
**MARCH 31, 2026**  
**(TUESDAY)**

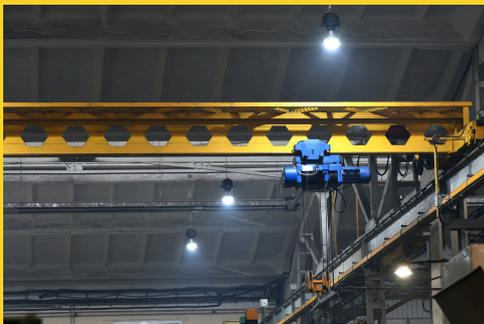


**TIME**  
**3:00 PM – 5:00 PM**



**Auditorium**  
**Malakoff,**  
**Wisma IEM, PJ**

## Synopsis



Overhead cranes play a vital role in industrial operations, yet they remain one of the most common causes of serious workplace incidents. This webinar offers a comprehensive, case-based examination of the hazards associated with overhead crane use and provides practical guidance for preventing them. Through an in-depth review of real incidents including dropped loads, rigging failures, crane collisions, electrical contact, mechanical malfunctions, and unsafe operator actions allowed participants to gain a clear understanding of how these events develop and the conditions that allow them to occur.

The session identifies root causes such as inadequate inspections, worn or improperly selected rigging, poor communication between operators and signallers, incorrect load calculations, fatigue and human error, and gaps in adherence to OSHA safety requirements.



Attendees will learn practical strategies to strengthen crane safety, proper rigging selection and inspection, establishing safe work area, improving operator competency, and implementing preventive maintenance programs. The session also emphasizes how near-miss reporting, job hazard analysis, and safety culture improvements can significantly reduce accident potential.

Webinar targeted for crane operators, riggers, supervisors, engineers, and safety professionals, this presentation equips participants with the knowledge to recognize hazards early, prevent equipment-related failures, and promote safe, efficient lifting operations. By applying these lessons, organizations can reduce downtime, prevent injuries, and enhance overall operational reliability.

## **Speaker**    **Ir. Ts. Nicholas Chee Kwok Shern**



Nicholas is an engineering professional with 20 years of experience in design, project execution, and leadership across industries such as manufacturing, entertainment, power generation, oil & gas, construction, transportation, and renewable energy. With 17 years in the crane and material handling sector, he is an expert in crane safety, design, operation, and maintenance.

A seasoned trainer, he delivers programs on material handling, crane operations, forklift use, electrical safety, and basic electrical skills. He holds a Bachelor of Engineering, an MBA, and numerous professional credentials, including P.Eng, ACPE, CEM, REM T2, MIET, MIEM, and IntPE, making him a highly qualified industry specialist.

### **Registration Fees**

**\*Student Member : FOC**

**\*IEM Member : RM 15.00**

**\*Non-Member : RM 70.00**

