The Institution of Engineers, Malaysia

ORGANISED BY :
SAFETY IN ENGINEERING SPECIAL INTEREST GROUP (SESIG), IEM

WEBINAR PRE-AGM TALK ON

"EMBEDDING PROCESS SAFETY IN GREEN HYDROGEN FACILITY: TOWARDS A SAFE AND SUSTAINABLE FUTURE"

17 August 2024, Saturday

9.00am - 11.00am

BEM APPROVED CPD HOURS: 2
REF. NO.: IEM24/HQ/285/T (W)

03-78900 130
www.myiem.org.my

Presented by:

Mr. Mohd Ashraf Mohd Ibrahim

REGISTRATION FEE:
IEM STUDENTS: FOC
IEM MEMBERS: RM 15
NON-IEM MEMBERS: RM 70

Synopsis

Green Hydrogen is produced from water electrolysis process, powered by renewable energy sources. Hydrogen is a promising energy carrier with approximately three times energy density per weight compared to gasoline and produced minimal environmental impact from its combustion. Malaysia government, through Ministry of Science, Technology, and Innovation (MOSTI) has published Hydrogen Economy & Technology Roadmap (HETR) in Quarter 4 2023, with a vision of becoming a leading Hydrogen Economy country by 2050, while achieving the world's decarbonization targets. Process Safety is a framework for managing the integrity of plant and facilities that handle hazardous substances through sound design, construction, operations, and maintenance.The intent of this presentation is to share how Process Safety principles are applied to prevent, control, and mitigate the unique risks posed by Hydrogen towards gaining various stakeholders trust for its future use and deployment. The presentation will also cover international standards related to Hydrogen safety.

About Speaker

Mohd Ashraf Mohd Ibrahim is a Principal Engineer, specializing in Process Safety from Project Delivery & Technology (PD&T) Division, PETRONAS. He is a Chartered Chemical Engineer from Institution of Chemical Engineers, based in United Kingdom and was a Major Hazards Competent Person under Control of Industrial Major Accident Hazards Regulations. His working experience include Internal Audit, Operational Excellence Management System, Process Design in a Fertilizer project and ten years experience in operating ammonia and methanol complex.