

## Driving Sustainable IH Solutions from Capability

# SYMPOSIUM

## Building to Technical Controls – An Experience from Malaysia’s Oil and Gas Company

The hierarchy of controls is commonly applied as a guide in risk management. In most cases, three of the most feasible controls are related to engineering, administrative and PPE. In addition, although PPE are the most widely used control, they are the least robust of these controls due to its reliance on human performance for effectiveness. Hence, is the traditional approach on risk management sustainable? Where sustainability is key, the concept needs to be embedded into the overall risk management framework. How can a company manage its health risks more sustainably? What kind of control environment needs to be established to achieve that? How can we leverage on capability, technology and system to sustainably control our risks to as low as reasonably practicable (ALARP)? This session is about PETRONAS’ journey in driving the development of strategies that ensures compliance and good practices in managing health risks to ALARP in a sustainable manner, with the ultimate goal of protecting our employees’ health.

### PETRONAS IH Capability and Competency Building: Challenges and Way Forward

Azizin Zainudin (PETRONAS, Malaysia)

### IH Digitalization Journey

Marina Zainal Farid (PETRONAS, Malaysia)

### Sustainable Risk Management through Engineering Control in Design

Zulfikar Said (PETRONAS, Malaysia)

## MODERATOR



Rina Ronaldin

Ms. Rina is a Certified Professional Industrial Hygienist (CPIH) with MIHA. She obtained her M.Sc. in Occupational Hygiene from the University of Aberdeen, UK in 2004. She has served PETRONAS for 20 odd years in different outfits before joining Upstream Business in 2014. In her current role as Custodian of Industrial Hygiene, she drives various IH improvements and initiatives with an aspiration to establish a more efficient and simplified work process leveraging latest technology and digitalisation. She is also a full time member of the Malaysian Industrial Hygiene Association as well as a member of the CPIH Board

## SPEAKERS

Azizin Zainudin

Head of Capability Development and Management GHSE



Marina Zainal Farid

Marina Zainal Farid, CPIH, CIH - Head (Custodian) Industrial Hygiene, PETRONAS Group Health, Safety, Security & Environment Graduated from the University of Notre Dame, Indiana, USA with a Bachelor of Science Degree in Chemical Engineering. Has a Master of Science in Occupational Hygiene at the University of Aberdeen, with a research under the Institute of Occupational Medicine (IOM), Edinburgh, Scotland. Is a Certified Industrial Hygienist (CIH) under the American Board of Industrial Hygiene, and a Certified Professional Industrial Hygienist (CPIH) under the Malaysian Industrial Hygiene Association (MIHA). Is founding member and current Honorary Treasurer of MIHA. Is currently the Head and Custodian Industrial Hygienist at Group Health, Safety, Security and Environment, PETRONAS with over 20 years of Industrial Hygiene experience.



Zulfikar Said

Currently the Principal, Industrial Hygiene for PETRONAS Group HSE, Malaysia and a Certified Professional Industrial Hygienist (CPIH) under the Malaysian Industrial Hygiene Association (MIHA). 20 years experience in the oil and gas industry, specifically in Corporate, Gas and Downstream Business Unit, that include leading the Industrial Hygiene Unit for the RAPID Project, the integrated refinery and petrochemical development project which is the largest single construction project in Malaysia. Holds a bachelor degree in Chemical Engineering and a Master of Science (MSc) in Occupational Hygiene. Extensive experiences in various IH programs that include Health Risk Assessment (HRA), product stewardship, exposure monitoring, risk controls, communication and training, project design and execution, and others.