

# Recorded Webinar Talk on PETRONAS Net Zero Carbon Emissions 2050 Pathway

In conjunction with World Engineering Day Celebration from 1st March till 7th March 2025

CPD Hours : 2 CPD Ref No : IEM23/HQ/339/T (w)

Organised by: Oil, Gas and Mining Technical Division

## SYNOPSIS

In PETRONAS, Sustainability is deeply rooted in the company's Statement of Purpose, as "a progressive energy and solutions partner enriching lives for a sustainable future". As a purpose-driven organisation, Sustainability considerations contribute directly to what it does as a business. The energy landscape is rapidly changing, and PETRONAS recognises the urgency to accelerate and scale up action towards a low carbon energy future.

Sustainability is embedded in the PETRONAS Energy Transition Strategy. PETRONAS' Net Zero Carbon Emission 2050 pathway consists of short, midterm and long-term targets for greenhouse gas (GHG) and methane emissions for Scope 1 and Scope 2 emissions reduction. The Pathway is two-pronged, reducing operational GHG emissions and increasing investments in business growth opportunities in the low carbon economy. PETRONAS will implement activities through four main Decarbonisation levers – zero routine flaring and venting, energy efficiency, electrification and carbon capture and storage (CCS) – to reduce operational emissions as far as possible and offset remaining hard-to-abate emissions with nature-based climate solutions.

PETRONAS continues to build internal capability and capacity and to enhance transparency in navigating the energy transition and promotes collaboration to accelerate and scale up the delivery in support of the Net Zero Carbon Emissions by 2050 pathway.

## SPEAKER

### **Dr. Kuah Yong Cheun CSci CChem**

Dr. Kuah Yong Cheun currently heads the Sustainable Development department within PETRONAS' Project Delivery & Technology (PD&T) division. In this role, he steers and orchestrates the Sustainable Development strategy and planning, supporting PETRONAS Sustainability Agenda and Net Zero Carbon Emissions by 2050 aspiration.

He joined PETRONAS in 2006 and has held many technical and managerial positions. He started his career as a Process Chemist before moving on to assume various roles including as Research Scientist and Commercialisation Manager. In his current position, he incubates and drives implementation of various Sustainable Development initiatives at divisional and enterprise levels as well as spearheads the sustainable development capability development and change management efforts for PD&T.

Dr. Kuah obtained his Ph.D. and Post-Doctorate degrees, both in Green Chemistry, from Queen's University of Belfast, Northern Ireland in 2012 and 2015 respectively. He further enhanced his business acumen by pursuing an MBA degree from London Business School, UK in 2022.

Over the years, he has authored more than 20 international publications, invented six patents and helped commercialise numerous neoteric and proprietary technologies. He was a recipient of various Institution of Chemical Engineers (IChemE) and Royal Society of Chemistry (RSC) awards in 2013-2014. And in 2016, he was awarded Chartered Chemist (CChem) status by the Royal Society of Chemistry (RSC) and Chartered Scientist (CSci) accreditation by the Science Council, UK.



**Wednesday | 5 March 2025 | 2AM – 4PM**

**Registration Fee:**

**Student Member: Free | IEM Member: RM15 | Non-Member: RM70**

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