



# PRE AGM TALK ON

## ENGINEERING PATHWAYS TO NET ZERO: ADVANCING SDG AND ESG IMPACT

Speaker :

**Mr. Ismail Hj Abdullah**



**09:00AM - 11:00AM**



**23 MAY, 2026  
SATURDAY**

**Auditorium Malakoff, Wisma IEM  
Petaling Jaya**

### **Registration Fees:**

- Student Member : FOC
- IEM Member : RM 15.00
- Non-Member : RM 70.00

# SYNOPSIS

Engineering innovation is rapidly becoming the foundation of the global transition to net-zero emissions, providing industries with scalable solutions that reconcile ambitious climate goals with sustainable economic growth. By advancing technological pathways—including renewable energy integration, electrification, carbon capture, and digital optimization—engineers are enabling industries to decouple growth from emissions while embedding circular economy principles, resilient supply chains, and green infrastructure.

Equally critical is the integration of sustainability into governance, investment strategies, and stakeholder engagement, ensuring accountability and long-term value creation. Real-world case studies highlight how engineering-led projects are already delivering measurable SDG and ESG outcomes. Meanwhile, the evolving role of engineers as policy influencers, ecosystem builders, and innovation leaders underscores their pivotal position as agents of systemic change in shaping a collaborative, future-ready world.

## Expected Outcomes;

- Heightened stakeholder awareness of engineering's central role in driving climate action.
- Stronger alignment between industry and policy around practical, scalable net-zero solutions
- Expanded cross-sector collaboration among engineers, businesses, governments, and communities.
- Enhanced accountability through transparent governance and integration of SDG and ESG frameworks.
- Empowerment of engineers as influential change agents shaping sustainable futures.
- Accelerated systemic transformation where innovation simultaneously drives economic growth and emissions reduction.

## SPEAKER PROFILE

**Ismail Hj Abdullah** is the President and Chief Sustainability Officer at International Green Trends Cockpit Sdn Bhd (IGTC). A seasoned ESG and Carbon Consultant, he holds a BSc (Hons) in Quantity Surveying and a Certificate in Leadership Management International. His extensive expertise encompasses environmental science, climate risk assessment, and carbon footprint measurement, alongside the development of corporate sustainability strategies for supply chains and resource efficiency. He provides strategic advice to both government and private sectors on shaping impactful sustainability policies grounded in the UN SDGs, the Paris Agreement, and global environmental laws.

Mr. Ismail is a prominent figure in the sustainability landscape, serving as the Lead Expert for the Green Technology Financing Scheme and the ESG Lead Consultant to TRX City Sdn Bhd. He holds significant advisory roles, including membership in the Sustainability Technical Standards Committee of the Department of Skills Development (MOHR) and the Sustainability Committee of GreenRE under REHDA. As a Sustainability Master Trainer for MOHR and Lead Associate to Xiamen University and TAR UMT, he is dedicated to empowering stakeholders through education. Championing the "4P" concept—partnerships between Private, Public, and People—he drives triple bottom-line initiatives forward with a focus on green technology, energy conservation, and circular economy principles



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