



# Engineering Green Technology Driving Sustainability and Innovation

## Panelist:

1. **Puan Suraya Hussein: General Manager, KLCC Urusharta Sdn Bhd**
1. **En. Ilham Shamsul bin Ibrahim: Deputy Head of New Energy Vehicle, PROTON R&D**
1. **Ir. Dr. Khairunnisa Hasikin: Senior Lecturer, Universiti Malaya**



Session 1: 23<sup>rd</sup> August 2023



MATRADE Hall,  
MATRADE Exhibition & Convention Centre



# En. Ilham Shamsul bin Ibrahim

1. **Electrical and Electronics Engineering Universiti Teknologi Malaysia.**
2. **Experience: Over 20 years in automotive Electronic Control Units and high voltage systems for hybrid and battery electric vehicles.**
3. **Areas: Engineering design & development in Automotive E&E, connected cars, electric propulsion system and project management.**
4. **Recent work: Testing & development of connected cars and electric vehicle.**



# **Ir. Dr. Khairunnisa Hasikin**

- 1. Electrical Engineering (B. Eng.) and Biomedical Engineering (M. Eng Sc) Universiti Malaya and Medical Informatics E.E.E. (PhD) Universiti Sains Malaysia**
- 2. Experience: 14 years in the academia and research.**
- 3. Areas: Fellow at the Universiti Malaya Sustainability Development Centre (UMSDC) and Research on AI models.**
- 4. Recent work: Ongoing research on the prediction of pollution outbreaks through the quantification of indicators for water and air pollutants and the development of an AI predictive model for prioritising maintenance of medical devices collaborating with the Ministry of Health, Malaysia.**



# Puan Suraya Hussein



- 1. Electrical Engineering from RMIT and Registered Property Manager BoVAEP.**
- 2. Experience: Over 30 years in Facilities Management, Strategic Planning, Energy & Sustainability Management, Technical Auditing and the Energy and Sustainability Committee within the Petronas Group.**
- 3. Areas: PETRONAS Twin Towers, Menara ExxonMobil, Dayabumi Complex, Prince Court Medical Centre, Menara 3 PETRONAS & KLCC Park.**
- 4. Recent work: GBI certifications for both PETRONAS Twin Towers and Menara 3 PETRONAS.**



# ALL Panelists: Closing remarks



**Round table: Final advice to Engineers and the Industry on Sustainability.**





# Q & A





# THANKYOU



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