



# Solving Tomorrow's Problems Today

## #bagijadi

Presented by:

**Ir. Mahathir Nor bin Ismail**

Managing Director, TNB Energy Services Sdn. Bhd. (TNBES)



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



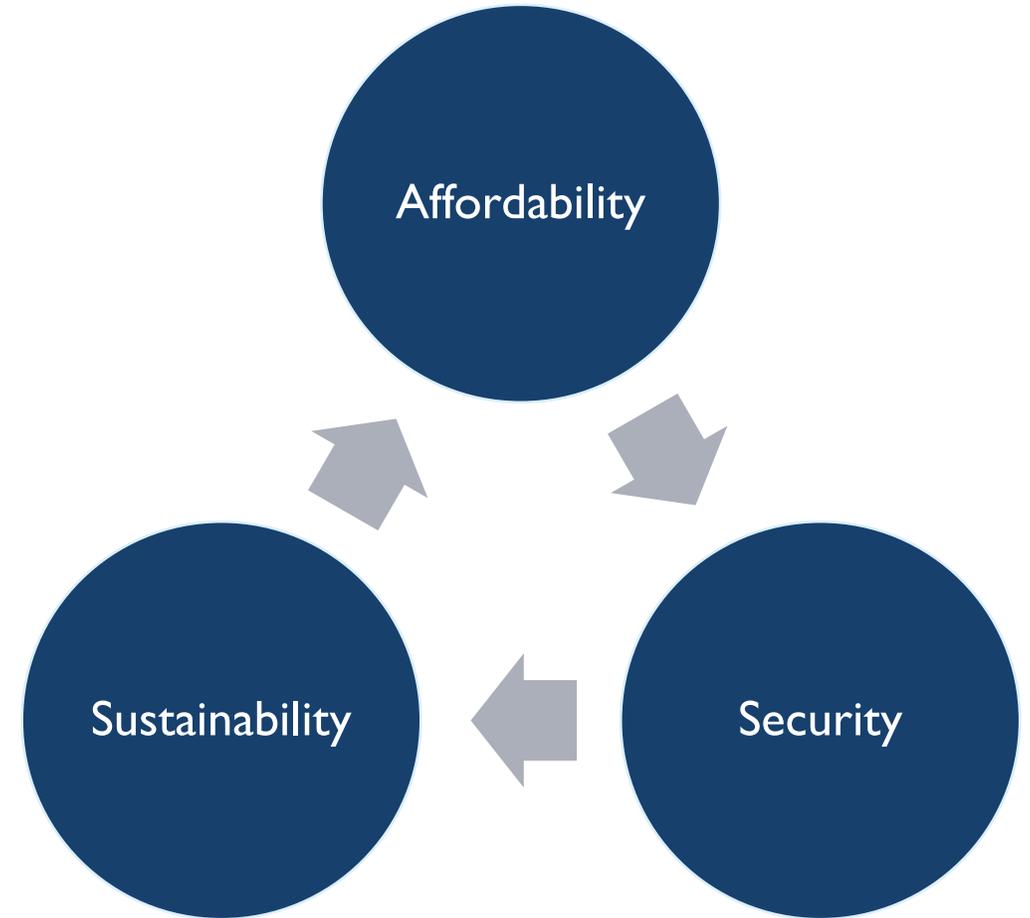
MATRADE Hall,  
MATRADE Exhibition & Convention Centre



# A major challenge for the Malaysian energy industry is to address the energy trilemma effectively



Engineers are here to solve problems



Energy Trilemma

# 6 Energy Transition levers were identified from NETR

## 1. Bioenergy



TNB Fuel signed MNA Fuel Services Sdn Bhd, Itochu (M) Sdn Bhd and Cement Industries of Malaysia Bhd (CIMA) to conduct a study of biofuel sources for power generation.

## 2. Carbon Capture, Utilisation & Storage



Toshiba and TNB to accelerate the application of CO2 Capture Technology to Thermal Power Plants

## 3. Renewable Energy



Solar Hybrid Station at Kemar, Perak



EE at commercial building

## 4. Energy Efficiency



PETRONAS & TNB signed MOU on the development of green hydrogen ecosystem and CCS technology

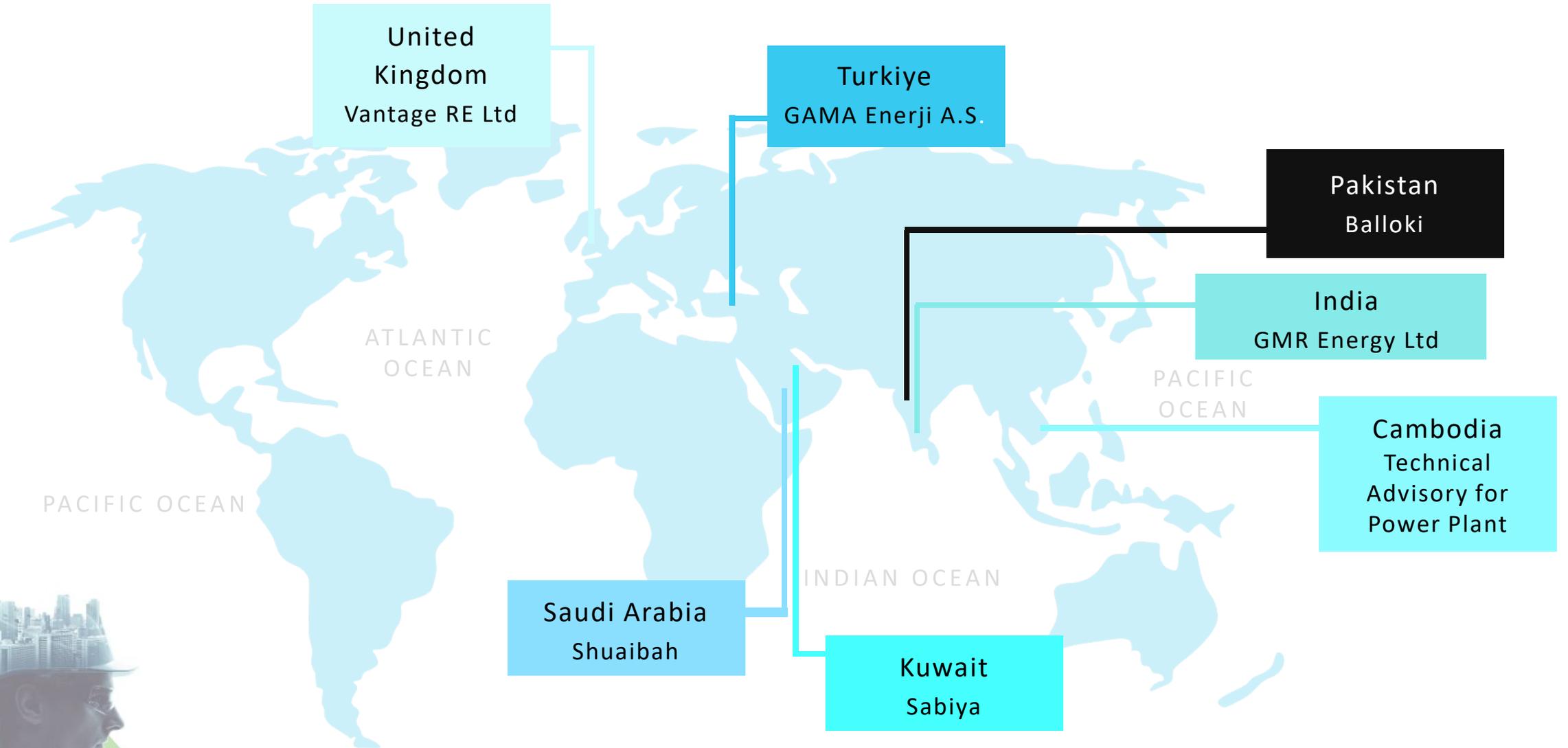
## 5. Hydrogen



R&R Ayer Keroh (Northbound)

## 6. Green Mobility

# TNB International Footprint



# Building local capabilities for global competence



Education



Partnership



Culture





# Q & A





# THANK YOU



*“Committed To Engineering Excellence”*

**BOARD OF ENGINEERS MALAYSIA**

Tingkat 11 & 17, Blok F Ibu Pejabat JKR

Jalan Sultan Salahuddin, 50580 Kuala Lumpur

<http://www.bem.org.my>

[enquiry@bem.org.my](mailto:enquiry@bem.org.my) or [complaint@bem.org.my](mailto:complaint@bem.org.my).

Tel: 03-26912090; Fax: 03-26925017





# Survey on BEM Image & Branding

