



# GREEN ENERGY

Powering Industries with Renewable Energy Advancements





## WHY GREEN ENERGY MATTERS

Green energy matters because it offers a clean and sustainable alternative to traditional fossil fuels. By reducing greenhouse gas emissions, it mitigates climate change and promotes environmental health.

# OUR COMMITMENT TO SUSTAINABILITY

We are dedicated to creating innovative energy solutions that balance environmental care, economic viability, and social impact, ensuring a greener planet for future generations.

- ▲ **Vision:** To lead the transition to renewable energy.
- ▲ **Mission:** Providing accessible, efficient, and sustainable energy solutions.



# ADVANCED AND SUSTAINABLE SOLUTIONS

Solutions leverage modern technologies to maximize energy efficiency, minimize environmental impact, and ensure long-term viability for renewable energy systems.

- ▲ Floating Solar PV Technology.
- ▲ Green Hydrogen Production Technology.
- ▲ Hydrogen as a Feedstock for Ammonia and Methanol.
- ▲ Battery Energy Storage System (BESS)



# THE IMPACT OF GOING GREEN

Embracing green energy drives positive change by reducing pollution, fostering economic growth, and improving the quality of life for communities worldwide.

- ▲ **Environmental:** Reduced greenhouse gas emissions.
- ▲ **Economic:** Creating jobs in renewable energy sectors.
- ▲ **Social:** Providing clean and affordable energy to communities.




### **Dato' Sri Ir. Dr. Judin bin Abdul Karim**

Chairman of Directors – TNR Energy Resources Sdn Bhd

Dato' Sri Ir. Dr. Judin Abdul Karim is a highly respected Malaysian engineer with over 40 years of experience in the construction and infrastructure sectors.

- ▲ **Education:** Bachelor's in Civil Engineering (UMIST, UK), M.Sc. in Structural Engineering & Ph.D. in Civil Engineering (University of Southern California, USA).
- ▲ **Early Career (1978–2011):** Began with the Public Works Department (JKR), later appointed Director-General (2007–2011), leading major national infrastructure projects and technical reforms.



▲ **CIDB (2011–2016):** Served as CEO, spearheaded the Construction Industry Transformation Programme (CITP) to raise industry standards in quality, productivity, safety, and sustainability.

▲ **Private Sector:** Joined Malaysian Resources Corporation Berhad (MRCB); currently Chairman of MRCB Builders, guiding large-scale urban development projects.

▲ **Professional Recognition:** Registered Professional Engineer and former President of the Board of Engineers Malaysia (2007–2012), known for advancing governance, ethics, and engineering standards.

He remains a visionary leader dedicated to national development and nurturing the next generation of engineering professionals.



### **HJ Halim Abdullah @ Ng Kok Tai (Director)**

- ▲ Appointed as Director for TNR Energy Resources Sdn. Bhd. in year 2024.
- ▲ Held various positions in corporate and public listed organizations.
- ▲ His last role was as Director at Kerjaya Prospek, bringing valuable expertise to TNR Energy Resources.
- ▲ Holds a doctorate and multiple advanced degrees in engineering.
- ▲ Distinguished professional and leader in the engineering and construction industry.



### **Mohd Hafiz Mohd Zaki (Managing Director/CEO)**

- ▲ Has extensive experience spanning nearly 25 years, specializing in Project Management Consultancy (PMC), renewable energy, environment and transport.
- ▲ Chartered member of the Chartered Institute of Logistics and Transport (U.K)
- ▲ Registered professional with the Department of Environment (DOE).
- ▲ Previous roles include working with multinational organization such as PETRONAS. Currently holds the position of CEO of TNR Energy.
- ▲ Currently managing project Biomass to Green Hydrogen project in Sarawak and Kedah.



### **Mohd Shahrom Mabol (Project Director)**

- ▲ Mohd Shahrom Mabol is a seasoned businessman with over 25 years of diverse experience in entrepreneurship, corporate leadership, and government relations.
- ▲ Leveraging his expertise and strong network, he successfully founded and managed businesses across multiple industries, including aviation, oil & gas, travel, and food.
- ▲ Extensive experience in government liaison, corporate strategy, and business development. Proven track record in multi-industry leadership and sustainable growth. Well-connected with Malaysian and international business circles, enabling strategic partnerships.



### **Amin Alhaimy (Business Development Director – Middle East)**

- ▲ Seasoned aviation executive with extensive experience in the MENA region
- ▲ Former leadership roles with prominent airlines
- ▲ Partnering to introduce innovative Clean Energy solutions to the region
- ▲ Will lead and cover Middle East business development



## **Abdul Haziq Ikhwan Abd Halid Han (Head of Business Development)**

- ▲ Appointed as Head of Business Development for TNR Energy Resources Sdn. Bhd. in year 2024 Have three-year experience in Environmental and Oil and Gas Industry.
- ▲ Served as Environmental Consultant for Integrated Envirotech Sdn Bhd (IESB)

# ABOUT US

- ▲ TNR Energy Resources is a special purpose vehicle established to promote renewable green energy ventures, new energy and heavy equipment by leveraging from our strategic partnership with SANY.
- ▲ As a subsidiary of Integrated Envirotech Sdn Bhd (IESB), a company with nearly two decades of experience in environmental consultancy, TNR benefits from a strong foundation.
- ▲ IESB is a registered vendor with both PETRONAS and TNB, further solidifying its industry credibility.
- ▲ TNR is located in B.06.03 Menara Bata, PJ Trade Centre, No.8, Jalan PJU8/8A, Damansara Perdana, PJ 47820.



## The Strategic Partnership with SANY:

- ▲ Fully backed by SANY: Exclusive access to cutting-edge technology and equipment.
- ▲ Synergistic collaboration: Combining TNR's local expertise with Sany's global reach.
- ▲ Focus on sustainability: Promoting the adoption of electric and eco-friendly machinery.

## Key Benefits:

- ▲ Enhanced Equipment Portfolio: Direct access to SANY's premium machinery. Technical Excellence: Knowledge transfer from SANY's advanced R&D capabilities.
- ▲ Support for Bumiputera Contractors: Empowering local players with reliable and affordable machinery solutions.
- ▲ Focus on sustainability: Promoting the adoption of electric and eco-friendly machinery.

## Why This Partnership Matters

- ▲ Accelerating Malaysia's energy transition.
- ▲ Strengthening local businesses through strategic empowerment.
- ▲ Reinforcing TNR's position as the preferred choice for contractors and stakeholders.

# KEY MILESTONES

Highlight our success in implementing innovative green energy projects, demonstrating our commitment to creating a sustainable energy future.

## **EPCC (Engineering, Procurement, Construction and Commissioning)**

Build a Biomass Green Hydrogen Plant in Tanjung Manis, Sarawak.

## **Export green ammonia/ hydrogen production**

Signed with GreenEdge Ammonia Pty Ltd on a project to develop large scale clean energy projects in Western Australia

## **Signed NDA with TNB**

1000 MW floating solar PV and green hydrogen production at Kenyir Lake

## **Environmental Consultancy Project for PETRONAS CCS**

Awarded a contract by PETRONAS to undertake Carbon Capture and Storage (CCS) works.

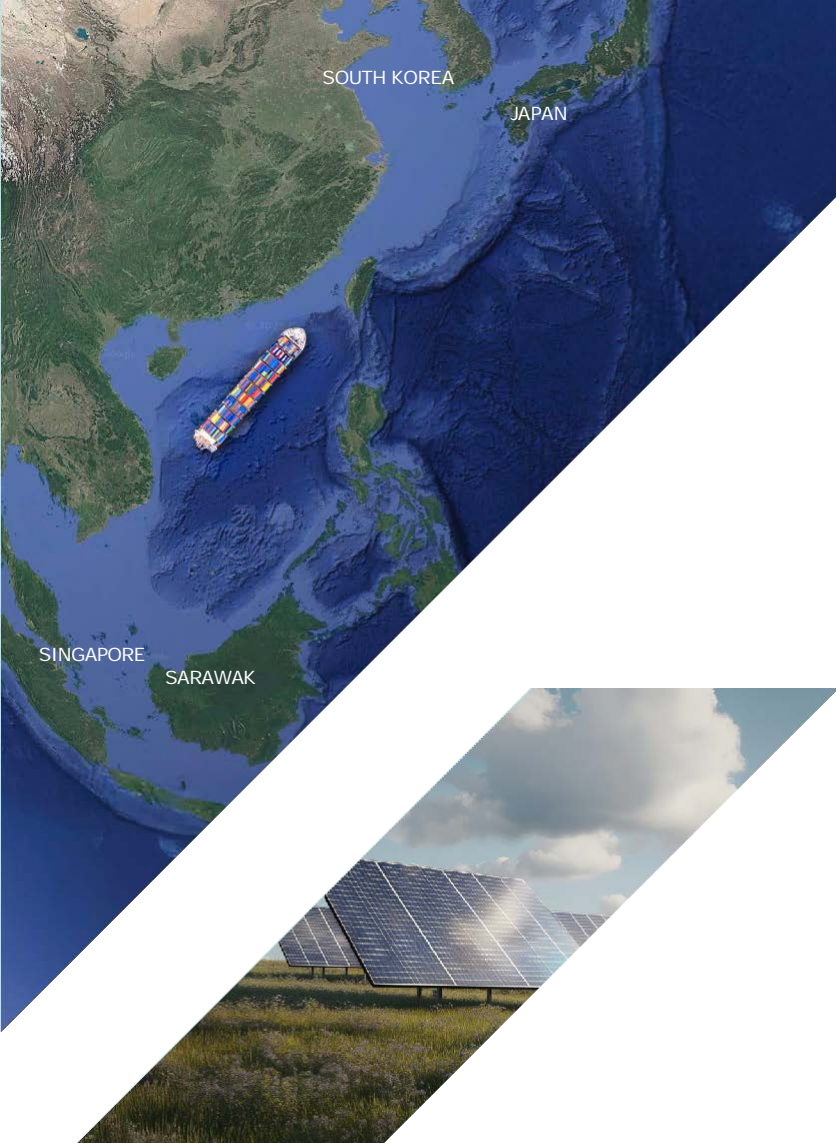
## **50 MW Solar & BESS for a Hydrogen Plant in Kedah**

Collaborating with KESTER Sdn. Bhd. on the development of a 50 MW solar PV and Battery Energy Storage System (BESS) facility for a hydrogen plant in Kedah.



# Track Record TNR Energy Resources

Year	Client	Project
2026	KESTER Sdn Bhd	50 MW Solar and BESS of Hydrogen Plant in Kedah
2025	Petronas CCS Venture Sdn Bhd	Environmental Services for Master Price Agreement (MPA) For Environmental Studies And Services For Petronas Carbon Capture And Storage (CCS) Business
2024	Petroliam Nasional Berhad	Environmental Services for Provision Of Environmental Impact Assessment (EIA) For The Proposed Biorefinery Plant At Pengerang Integrated Complex (PIC)
2024	PETRONAS Dagangan Berhad	Audit and Environmental Services for KLIA Aviation FT
2024	PETRONAS Dagangan Berhad	Audit and Environmental Services for Prai FT & LPG Terminal
2024	PETRONAS Dagangan Berhad	Audit and Environmental Services for Lumut FT
2024	PETRONAS Dagangan Berhad	Audit and Environmental Services for Kuantan FT
2024	PETRONAS Dagangan Berhad	Audit and Environmental Services for Sandakan FT
2024	PETRONAS Dagangan Berhad	Audit and Environmental Services for Labuan FT
2024	Malaysian Refining Company Sdn Bhd	Audit and Environmental Services for MRCSB
2024	SEA Hibiscus Sdn Bhd	Audit and Environmental Services for SEAH KNG
2024	Trans Thai Malaysia	Audit and Environmental Services for TTMM
2024	SEA Hibiscus Sdn Bhd	Audit and Environmental Services for SEAH LCOT
2024	Carigali Hess Operating Company Sdn Bhd	Environmental Services for Provision Of Post Environmental Impact Assessment Monitoring
2024	Petroliam Nasional Berhad	Environmental Services for Provision Of Environmental Impact Assessment (EIA) For Belud South Green Field Development (GFD) Project, Sabah
2024	Petroliam Nasional Berhad	Environmental Services for Provision Of Environmental Impact Assessment (EIA) For Glayzer Field, Sabah



# OUR FIRST PROJECT

Tanjung Manis Hydrogen is proud to share our most significant achievement to date — the development of a USD 200 million Phase 1 biomass-to-hydrogen plant, marking a major milestone in Malaysia’s clean energy journey.

We aim to produce 10,000 tons of green hydrogen by 2027 and 100,000 tons by 2030, while co-producing biochar and wood vinegar to support the circular economy. Our project will create over 2,000 jobs and uplift communities through the Humana education program.

With a net-negative carbon footprint and strong ESG-CSR alignment to the UN SDGs, we generate high-value carbon credits and deliver real impact.

Backed by EPCC TNR (led by Dato’ Sri Judin Abdul Karim), CCEPC, and global tech partners like Haffner Energy and H2G Green, we ensure world-class standards. TÜV and Bureau Veritas certify our premium green hydrogen output.

We’re on track to meet our 2027 target, leading the way in Asia’s green energy future.





## OUR COMPREHENSIVE SOLUTIONS

Solutions provide end-to-end support, from consulting to maintenance, ensuring efficient and sustainable energy systems for every client.

- ▲ Energy consulting: Tailored strategies for businesses.
- ▲ Installation services: End-to-end project management.
- ▲ Maintenance and monitoring: Ensuring optimal performance.

# GET IN TOUCH

Reach out to TNR Energy Resources Sdn. Bhd. for expert guidance on renewable energy solutions, tailored to empower sustainable growth and innovation.

## Contact Information



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