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MOVING FORWARD TOGETHER

The Edge, Malaysia



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The Energy Transition Conference 2023, which brought together industry talents, showed how crucial collaboration is to spur ideas that can help the nation catch up in its journey towards net zero.

Tenaga Nasional Bhd strongly believes that bringing its customers along on this journey is crucial to the overall viability of the energy transition. In the spirit of collaboration, the national utility company and its divisions and subsidiaries joined hands with leading industry players and signed six memoranda of understanding (MoUs) across multiple segments of the power industry's value chain. They mark the continuing efforts to decarbonise existing operations, spur sustainable city adoption, explore new RE sources and scale existing ones.

The six MoUs were:

- An MoU with Petroliaam Nasional Bhd (Petronas) to explore carbon capture and storage (CCS) technology for gas-fired power plants;

- An MoU with Sime Darby Properties Bhd to promote rooftop solar solutions and EV charging facilities in the latter's township developments;
 - An MoU with Siemens to accelerate progress in the area of green hydrogen production and utilisation;
 - An MoU with Perbadanan Kemajuan Negeri Perak to explore potential development of floating solar assets in the Sungai Perak hydroelectric dam and reservoir;
 - An MoU with Majuperak Holdings Bhd to explore ground-mounted and floating solar projects in Perak; and
 - An MoU with the Pahang government to explore RE opportunities in the state.
- TNB also signed an agreement with K2 Strategic Infrastructure Malaysia Sdn Bhd to supply to the booming data centre industry. Apart from the conventional hard-to-abate sectors like oil and gas or cement, this emerging segment is the next demand growth area that requires proper management as it produces an estimated 3% of global carbon emissions and consumes up to 7% of total electricity demand in countries like Singapore.

In the past, TNB formed collaborations in the automotive sector, such as with Sime Darby Bhd, to explore initiatives to accelerate the adoption of EVs, including ensuring that a network of highly efficient charging infrastructure is in place.

The national utility company has partnered DHL to explore the framework of greener supply chain development and electrification of the logistics giant's fleet. It also formed collaborations with the state governments of Kedah and Terengganu to explore green energy opportunities.

In pursuit of smart grid and energy systems, TNB partnered Microsoft to accelerate its digital transformation and US smart grid platform company Trilliant to deliver smart grid benefits.

As TNB chairman Datuk Abdul Razak Abdul Majid clearly explained during the conference, the energy transition requires "all hands on deck" to meaningfully respond to the people's aspirations without stunting economic development.

The task of facilitating the transition "will require the joint commitment of all such as policy-makers, suppliers and customers. Together, let us join hands towards building a better world and brighter lives", he said.