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Ali Biju (middle) and Ahmad Anzhashin (2nd from right) presided over the launch ceremony of the National Energy Center at Putrajaya University. Chief Executive Officer Datuk Baharin Din (right) and TNB President Noah Zuan Abu Osman (left) were accompanied.

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National Energy University sets up National Energy Center of Excellence to study climate change and renewable energy topics

KUALA LUMPUR (March 30): National Energy University (UNITEN) has established a world-class national centre of excellence, the National Energy Centre (NEC), to conduct in-depth research in the field of energy transition, including climate change issues, sustainable and sustainable development both at home and abroad. renewable energy.

This university affiliated to the National Energy (National Energy) has incorporated its five energy centers of excellence into the National Energy Center, and will cooperate with famous universities and industry pioneers at home and abroad to carry out a number of energy-related research and projects to achieve Vision for Malaysia as a regional energy hub.

The launch ceremony of the National Energy Center held today at Putrajaya National Energy University was presided over by Deputy Minister of Energy and Natural Resources Datuk Ali Biju, and Deputy Minister of Science, Technology and Innovation Datuk Ahmad Anzahasin, who represented Department ministers Datuk Seri Takiyuddin and Datuk Seri Aham Baba.

The attendees also included TNB Chairman Dato Seri Hasan Arifin, TNB President and Chief Executive Officer Datuk Baharin Din, TNB President Professor Noazuan Abu Osman, and more than 200 senior government officials, ambassadors, high commissioners, experts, scholars, professionals, researchers and domestic and foreign energy industry players.

Takiyuddin said higher education institutions have taken the initiative to build a National Energy Centre at TNB, contributing expertise to the country's development agenda, including efforts to promote renewable energy capacity to reduce carbon emissions.

"The establishment of the National Energy Center is of great significance, because the Center will mobilize the power of various stakeholders to jointly conduct in-depth research on energy-related issues facing the world. I believe that as long as the National Energy Center is well managed, it can help cover our country. Provide solutions to global energy problems."

The National Energy Centre will play a strategic role in making Malaysia a carbon neutral country by 2050, while achieving the commitment of the TNB Sustainability Pathway (SP2050) Net Zero Emissions Vision.

The five institutes of excellence that will be included in the National Energy Center are: Institute of Sustainable Energy (ISE), Institute of Electric Power Engineering (IPE), Institute of Energy Infrastructure (IEI), Institute of Energy Policy and Research (IEPRe), and Institute of Energy Information and Computing (IICE).

The National Energy Center will create a Strategic National Energy Framework

to make Malaysia an energy hub, opening a branch in the Energy Center or opening a satellite cultivation laboratory, so that industry players have the opportunity to become strategic partners.

In line with the development of a low-carbon digital economy, these studies are expected to make the future safer and more environmentally friendly, in line with the global energy sector's transition from fossil fuels to net-zero emissions in the second half of this century.

Some of the areas that will be intensively researched are: hydrogen energy, space solar energy, magma energy, algae energy, embedded solar energy, wind energy, renewable energy fusion energy, and developing technologies for developing electric vehicle ecosystems.

Talking about the problem that the world is facing rising fuel costs leading to higher electricity generation costs, Takiyuddin pointed out that the establishment of the National Energy Centre is timely.

He also asked researchers at the National Energy Center to take long-term options and measures to ensure that electricity supply continues to be reliable and affordable.

On the other hand, Aham Baba suggested that the National Energy Center develop cooperation at the regional energy transition level, especially with ASEAN countries, China, European countries, and international organizations.

"The National Energy Center can host high-level forums between prominent academics, industry experts and senior government officials from ASEAN and the International Energy Agency (IEA) to delve into important issues related to the energy sector."

The construction of the National Energy Centre is another milestone in Malaysia's development of a dedicated centre of excellence to address the challenges of climate change, sustainable development and energy transition.

As the center of the country, the National Energy Center plays an important role, such as the National Energy Research Scientific Computing Center (NERSC) in Berkeley, the Alan Turing Institute in the United Kingdom and the Department of Business, Energy and Industrial Strategy (BEIS) in the United Kingdom, and the Energy Economy in Japan. Agency (IEEJ), and the Singapore Energy Centre (SngEC), which was established last year.