

DDW 2: Technology and Innovation (Digitalisation-AI/IR4 & IoT)

The Panel Discussion on Energy Innovation and Technology, titled "DDW 2: Technology and Innovation (Digitalisation-AI/IR4 & IoT)," brought together experts from various sectors to discuss key aspects of Malaysia's energy transition. The conversation focused on Malaysia's ambitious goal of achieving 70% renewable energy by 2050, addressing challenges related to energy supply, standards, and practices.

Key topics included advancements in renewable energy technologies, such as improved solar panel efficiency and increased wind turbine outputs, and the integration of these renewables into the grid. The importance of energy storage solutions to manage intermittency was also highlighted. Industry experts stressed the need for transparent pricing and robust policy frameworks, as well as regional collaboration within ASEAN to harmonize energy policies.

The discussion also explored the dual impact of AI in the energy sector, noting its potential to both displace and create jobs. The panel emphasized the importance of upskilling the workforce, fostering collaboration between academia and industry, and carefully considering the energy consumption of AI applications to ensure a balanced approach.

Action items included exploring research collaborations, assessing workforce impacts, developing talent retention strategies, implementing transparent pricing mechanisms, and optimizing the energy efficiency of AI operations.