

Malaysia energy transition

Malaysia is among the most highly developed states of the Southeast Asia region and a founding member of the Association of Southeast Asian Nations (ASEAN). By 2050, primary energy supply in Malaysia is expected to increase by 60% over that of 2018, while the country's population is projected to rise to more than 40 million people.

Malaysia is uniquely positioned to develop a sustainable energy system based on renewable energy that can support economic development, address climate change, and achieve energy security, universalisation and affordability goals.

This Malaysia energy transition outlook draws on IRENA's Renewable Readiness Assessment, Renewable Energy Roadmap toolkit (REmap) and Power System Flexibility Assessment to chart possible energy pathways to 2050.

NETR is crucial in navigating the complexity of energy transition on a large scale, especially the shift from a traditional fossil fuel-based economy to a high-value green economy.

Leaders need to make important decisions that may require trade-offs. These trade-offs depend on your sustainability vision, mission and goals balanced with commercial perspectives.

The technologies required to enable energy transition may be reaching inflection point soon and different technologies are becoming available. A comprehensive strategic framework such as a capabilities-driven strategy is critical to remain competitive.

Achieving net zero requires a substantial commitment to transform various industrial models, via a comprehensive approach across the entire business ecosystem. A people-centered change management approach is essential during this intricate transition.

Energy transition requires a balance between environmental impact, commercial feasibility and the impact to all stakeholders. It should embed social inclusion, contribution to sustainable employment, and development of resilient communities.

To fund the shift to cleaner energy, organisations must find the right mix of debt and equity financing. Currently, companies have varying investor value propositions, each with its own mix of growth, risk, and return. Businesses need to assess how to balance shareholder returns against energy transition investments.

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