

Energy Transition

National Energy Transition Roadmap NETR



Based on national aspirations and commitments



Just, inclusive and cost-effective



Effective governance and whole-of-nation approach



High-impact job opportunities, SME involvement in the ecosystem

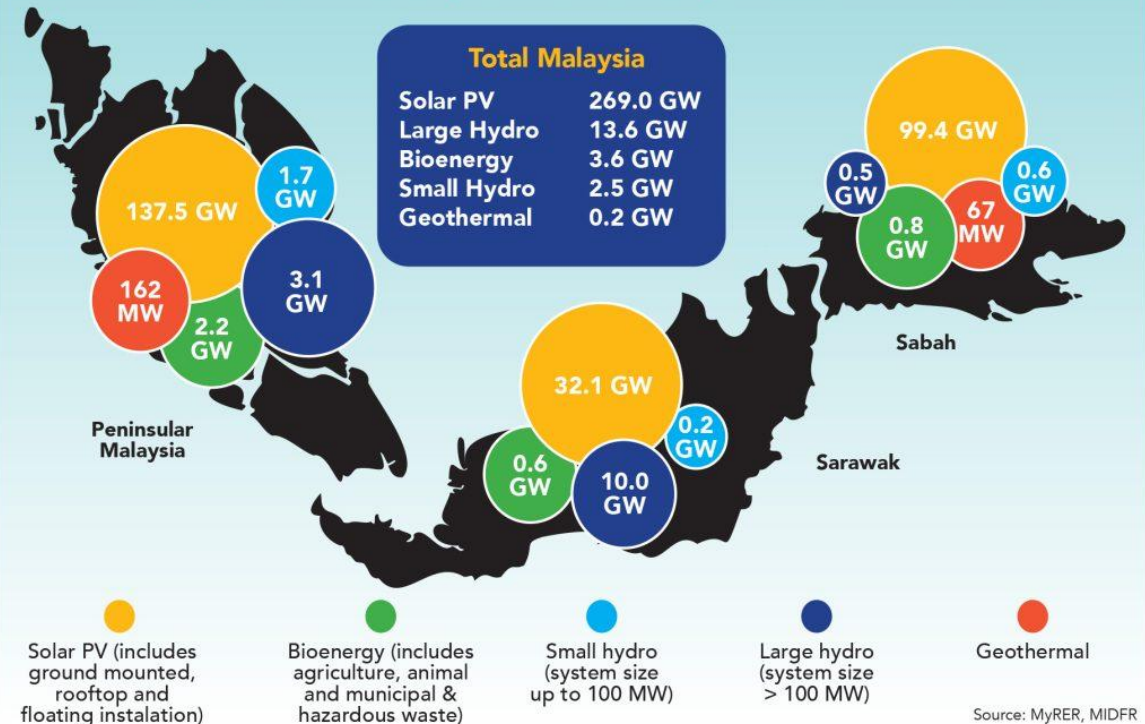
The NETR is a significant milestone for Malaysia, which comprehensively charts trajectory towards a brighter, cleaner, and more resilient future.

Currently, the estimated investment required by NETR anticipates up to RM1.3 trillion by 2050 and 18% of funding is for RE power generation & green mobility as well as improving and strengthening of public infrastructure.

2024 Solar PV Installed Capacity 8.892 GW



Summary of RE resource potential in Malaysia — a total of 289GW



Solar Industries: Issues & Challenges

Malaysia is the **world's third-largest PV panels manufacturer**

- Malaysia's reliance on fossil fuels and status as a **petroleum exporter** presents challenges towards energy transition.
- To boost RE capacity, the ministry is considering **lifting the ban on RE exports**, especially to Singapore.
- This proposal has **sparked debate among industry stakeholders** regarding its potential benefits & drawbacks.



❖ Lack of awareness, demand & viable funding opportunity

❖ Lack Economic distortions arising from energy subsidies can hinder the adoption of sustainable energy practices and technologies

❖ Balancing energy equity for low-income households

❖ Large-scale-solar (LSS) have hindered its scalability & efficiency due to scattered development approach and lengthy permitting processes lead to higher fixed costs.

❖ Absence of RE exchange platform inhibits the potential to capitalize on price premiums associated with exporting RE and sharing of reserves.

❖ Transparent price discovery mechanisms for willing buyer-willing seller are also lacking.

❖ Addressing these multiple challenges is crucial in fostering the growth of RE on a larger scale.