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KUALA LUMPUR: Germany's renewable energy player Siemens Energy is committed to becoming Malaysia's energy partner in enabling hydrogen technology and grid infrastructure.

This is in sync with the recent visit to its headquarters in Germany by Prime Minister Datuk Seri Anwar Ibrahim, who has shown deep interest in hydrogen and grid systems.

Speaking to Bernama, Siemens Energy Malaysia managing director Azli Mohamed said at the current juncture, the company is working closely with Tenaga Nasional Bhd (TNB) in the space of hydrogen production and its application for co-firing in thermal power plants.

The company is also working hand in hand with Petroliaam Nasional Bhd (Petronas) and its clean energy arm Gentari Sdn Bhd to explore opportunities within the hydrogen value chain.

"To put things into perspective, the grid is the backbone of decarbonisation, and we must ensure the grid's preparedness for renewable adoption to guarantee Malaysians a reliable and secure energy supply.

"In line with this, we are actively collaborating with the TNB in Peninsular Malaysia, Sarawak Energy Bhd in Sarawak, and Sabah Electricity Sdn Bhd in Sabah, with the support from Malaysia's Energy Commission, Sarawak's Ministry of Utility and Communication and Ministry of Energy and Environmental Sustainability, as well as the Energy Commission of Sabah, for technical proficiency in designing, implementing, and managing resilient grid infrastructure," he said.

Among the notable examples is Siemens Energy's involvement with Petronas in the development



Anwar (front, centre) is seen visiting Siemens Energy's plant in Berlin, Germany early last month. Siemens Energy is committed to becoming Malaysia's energy partner in enabling hydrogen technology and grid infrastructure. — Bernama photo

of the Pengerang Cogeneration Plant, which forms part of the Pengerang Integrated Petroleum Complex in Johor.

He added that by harnessing the expertise of grid professionals, Malaysia could bolster the resilience of its grid infrastructure against diverse challenges, including extreme weather conditions, cyber threats, and system failures.

"This collaborative effort underscores our collective commitment to ensuring a sustainable and dependable energy future for all Malaysians," he said.

Azli added that aligned with national agendas such as the National Energy Transition Roadmap (NETR) and National Energy Policy 2022-2040, Siemens Energy is committed to supporting Malaysia's energy transition by providing diverse power generation solutions that include a range of technologies from combined cycle to open

cycle, tailored to meet the country's evolving energy needs.

Malaysia's RE target is achievable

Asked if Malaysia is on track to achieve its renewable energy (RE) target, Azli said that while there are challenges ahead, Malaysia's energy landscape is undergoing significant transformation supported by government policies.

"As an energy transition leader, we believe that with initiatives like the NETR in place, proactive measures are taken to ensure the policies are being implemented successfully, but consistent momentum in achieving its RE target of 31 per cent contributing to the energy mix by 2025 is needed.

"In the event that all these boxes are ticked, we are positive the goal set is achievable.

"Thus, with these in place, we are committed to supporting the government's efforts in reaching

these goals," he said.

Meanwhile, Azli said that the company's collaboration with TNB has opened doors for the utility company to access cutting-edge knowledge and expertise as well as resources in hydrogen-based power generation, with a specific focus on green hydrogen production using electrolyser and renewable energy generation sources such as pumped hydro and solar.

"The memorandum of understanding (with TNB) to expedite the decarbonisation of its thermal power plants, witnessed by Investment, Trade and Industry Minister Tengku Datuk Seri Zafrul Aziz last year, is a testament to the government's driving force towards green energy initiatives.

"We are in the midst of conducting various exercises with TNB, and we expect to have a progress report before entering the second half of this year," he added. — Bernama