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Renesas advancing renewable energy in Selangor



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PETALING JAYA: Renesas Semiconductor KL Sdn Bhd (RSKL) has launched its solar panel car park project, marking a significant milestone in the company's sustainability journey and reinforcing its commitment to renewable energy, carbon reduction and responsible manufacturing.

"The project features solar panels installed over 325 covered parking bays at RSKL's facility in Teluk Panglima Garang. It is expected to generate an additional 2.4 MWh of clean energy daily, complementing the company's existing rooftop solar system, which produces an average of 10.5MWh of clean energy per day," said Ooi Heng Ee, global head of internal manufacturing at Renesas Electronics.

Together, the two solar installations are expected to enable RSKL to reduce its carbon emissions by approximately 3,610.4 tonnes annually, equivalent to the carbon absorption benefits of around 172,000 mature trees.

Speaking at the launch, Selangor state executive councillor for public health, environment, climate change and green technology Jamaliah Jamaluddin congratulated RSKL on its initiative, highlighting the importance of translating sustainability and Environmental, Social and Governance (ESG) commitments into tangible action.

She said the project reflects how Selangor's industrial sector can support the state's economic growth while embracing cleaner energy and more responsible resource management.

She also encouraged more industry players to adopt renewable energy initiatives, noting their potential to generate operational returns, strengthen ESG commitments and enhance long-term business competitiveness.

"Efforts such as this are particularly welcome as Selangor continues to strengthen its position as a leading industrial and high-technology investment destination in Malaysia.



(From left) Chan from TNB; Renesas managing director Tee Kean Soon; Jamaliah and Ooi.

"Economic growth must go hand in hand with environmental stewardship and the responsible use of resources," she added.

The solar car park project forms part of RSKL's broader sustainability strategy, alongside its continued investment in manufacturing capabilities and operational transformation.

Established in 1974, RSKL has grown into one of Renesas' strategic semiconductor manufacturing sites within its global network, supporting semiconductor innovation for automotive, industrial and infrastructure applications worldwide.

Over the next two years, Renesas plans to expand RSKL's manufacturing capabilities to support the rapid growth of artificial intelligence (AI) technologies.

The expansion is expected to create high-value employment opportunities, strengthen local talent development and contribute to Malaysia's position

as a global semiconductor and advanced technology hub.

Meanwhile, RSKL is accelerating its Smart Factory transformation by integrating automation, digitalisation, AI and advanced analytics to improve productivity, quality and sustainability.

Its long-term ambition includes achieving Light-Off Production, a highly automated manufacturing environment capable of operating with minimal human intervention while maintaining world-class standards of efficiency and quality.

The solar car park project was made possible through close collaboration among RSKL, Tenaga Nasional Berhad (TNB), Hasilwan (M) Sdn Bhd, employees and strategic partners.

Ooi also emphasised the importance of industry partnerships in advancing clean energy and sustainable manufacturing.