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## Empowering greener future for Malaysia

The Sun, Malaysia



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### ➤ NGC Energy unveils Solar PV System Programme in move towards sustainability

**KUALA LUMPUR:** In a significant move towards sustainability, NGC Energy has unveiled its Solar PV System Programme, positioning itself as a leader in the renewable energy sector.

NGC Energy, recognised as the second-largest LPG supplier in Malaysia based on pre-Covid data from KPDN, continues to lead in innovative energy solutions.

With solar power gaining traction as one of the most reliable and cost-effective energy sources, NGC Energy's initiative reflects the growing demand for cleaner alternatives, both in Malaysia and worldwide.

As countries strive to meet carbon

reduction targets, renewable energy is rapidly becoming an essential part of the global energy landscape. Solar energy, in particular, has emerged as a powerful solution, harnessing the sun's energy to generate electricity with minimal environmental impact. For Malaysian businesses and households, switching to solar offers not only significant cost savings but also a meaningful contribution to reducing the nation's carbon footprint.

"With rising energy costs and increasing environmental concerns, the need for clean, affordable energy has never been greater. Solar power provides an efficient and sustainable solution to meet those needs," says NGC Energy CEO Julianna Kamaruddin.

NGC Energy's Solar PV System Programme has already made strides in reducing carbon emissions, with a projected annual reduction of 358 metric tonnes of CO<sub>2</sub> by 2024. To contextualise the impact of solar energy compared to traditional sources, solar power

offsets 20 times the emissions of coal and 12 times that of natural gas.

Solar panels are advanced technology systems that convert sunlight into electricity. These panels vary in size and capacity depending on installation needs. For residential installations, smaller rooftop panels are typically used, while industrial facilities often require larger arrays to meet higher energy demands.

Financially, solar installations bring significant long-term benefits. Residential setups can result in yearly savings ranging from RM3,000 to RM12,000, depending on system capacity and usage.

A standard 1-kWp system could save RM550-RM680 annually, translating to RM5,500-RM6,800 over a decade. Installation costs for residential solar systems generally range between RM18,000 and RM40,000.

The government has introduced several initiatives to accelerate the adoption of solar power, offering financial incentives through the Green Investment Tax Allowance

(GITA) and Solar For Rakyat Incentive Scheme (SolaRIS) programmes.

These incentives reduce the upfront costs of solar installations, making solar power more accessible to homeowners and businesses. Through Net Energy Metering (NEM) 3.0, customers can even sell excess electricity back to the grid, maximising their investment in solar energy.

The solar energy market in Malaysia is projected to grow at an annual rate of 2.22% from 2024 to 2029.

The government's National Energy Transition Roadmap (NETR) outlines an ambitious target to increase solar energy capacity from 4% to 58% by 2050.

NGC Energy has also launched an internal programme to equip its employees' homes with solar panels, demonstrating its commitment to sustainability. "At NGC Energy, we believe in leading by example," said Julianna.

"By embracing solar power ourselves, we're demonstrating our commitment to a sustainable future and inspiring others to do the same."

Looking ahead, NGC Energy plans to expand its solar initiatives and explore new opportunities in the renewable energy market.

"As we continue to innovate and expand our offerings, our vision remains clear: to build a sustainable energy future for Malaysia and beyond," said Julianna.