

Harnessing clean energy on Semakau Island



ST PHOTO: MARK CHEONG

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These rows and rows of solar panels, some of which are being adjusted by workers, on Semakau Island help to power a deep-sea fish farm there running on 100 per cent clean energy.

They are part of the Renewable Energy Integration Demonstrator-Singapore (Reids), which integrates energy from micro-grids powered by light, the wind and even tides, and can be used to generate power in remote areas.

By integrating multiple renewable energy sources - which are heavily dependent on conditions of nature - the system is able to generate power more consistently.

Developed by Nanyang Technological University, this micro-grid system, the first of its kind in South-east Asia, serves as a platform for companies to test research projects that are powered by renewable sources of energy in real-world conditions.

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