Hospital energy storage thailand

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BANGKOK, July 10, 2024 /PRNewswire/ — Stable power supply is essential for the continuous operation of health care facilities. With Hi-MO X6 solar panels, Phraphrom Hospital has become a great example of sustainable healthcare.

Phraphrom Hospital, as a public healthcare institution, has been providing reliable and convenient medical services to residents. However, it currently faces the dual challenge of limited budget and high energy demands.

Thailand's climbing electricity costs, the hospital's round-the-clock medical operations, and the natural conditions of heat and humidity necessitating continuous air conditioning to prevent pharmaceutical deterioration, significantly pressurize the hospital's electricity expenditures. Given its small-scale public funding, the hospital grapples with a substantial increase in energy expenses.

LONGi's Hi-MO X6 stands out with superior light absorption capability and high photovoltaic conversion efficiency. These features ensure Phraphrom Hospital benefits from a reliable and continuous power supply, substantially reducing its energy expenses. In Thailand's challenging humid and high-temperature conditions, Hi-MO X6 has proven its robustness with a monthly energy production of 1.81MWh, bringing in an approximate 10% savings on the hospital's electricity bills.

More importantly, LONGi's 25-year warranty of extra linear power output and comprehensive after-sales service provide Phraphrom Hospital with the reliability it needs. This was a significant factor when our EPC, D-Excellent Co., Ltd., chose Hi-MO X6 solar modules, as high-quality products tend to necessitate fewer after-sales interventions, ultimately reducing after-sales expenses.

Phraphrom Hospital, LONGi's first hospital project in Thailand, is now redirecting its savings into enhancing medical services. Hi-MO X6 not only leads Phraphrom Hospital towards sustainable growth but also aims to empower more hospitals to build a more robust and energetically efficient healthcare system.

Founded in 2000, LONGi is committed to being the world's leading solar technology company, focusing on customer-driven value creation for full scenario energy transformation.

Under its mission of 'making the best of solar energy to build a green world', LONGi has dedicated itself to technology innovation and established five business sectors, covering mono silicon wafers cells and modules, commercial & industrial distributed solar solutions, green energy solutions and hydrogen equipment. The company has honed its capabilities to provide green energy and has more recently, also embraced green hydrogen products and solutions to support global zero carbon development.

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The Asian Development Bank (ADB) and Gulf Renewable Energy Company Limited, a subsidiary of Gulf Energy Development Public Company Limited, have signed an $820m loan that will fund the construction of 12 renewable energy projects across Thailand.

In a statement, ADB said the projects include eight ground-mounted solar photovoltaic (PV) plants with contracted capacity of 393 megawatts (MW) and four ground-mounted solar PV plants with battery energy storage with contracted capacity of 256 MW and 396 MW-hours of energy storage.

The financing package, led by ADB as the mandated lead arranger and bookrunner, comprises $260m from its ordinary capital resources, and $529m in parallel loans from the Asian Infrastructure Investment Bank, DEG - Deutsche Investitions- und Entwicklungsgesellschaft (German Development Finance Institution), the Export-Import Bank of China, and KEXIM Global (Singapore), amongst others.

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