Jakarta hospital energy storage

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This project can create a significant number of green, clean jobs. Retrofitting buildings to make them more energy efficient creates 14.8 local jobs per €88,000 invested. Investing in skills is integral to this, with engineers retrained for solar panel installation and maintenance. As a priority, this project will recruit female engineers, who are currently underrepresented in the sector.

Implementing energy efficiency measures in these hospitals will improve the comfort and health of the occupants. They will be protected from extreme temperatures and will have access to cleaner air. By using solar energy, the hospitals will have reliable energy, be shielded from power outages, and save money on energy costs.

Buildings are one of the largest consumers of energy in cities, and so improving energy efficiency and developing renewable energy are crucial policies for Jakarta to pursue to reduce its emissions. Investing in renewables will provide economic and health opportunities to its citizens, and the city will become a regional leader in climate action.

Indonesia is located in the southern part of Asia, and has a tropical climate with abundant sunshine throughout the year. The local annual average solar radiation ranges from 1389 to 2222 KWh/m?, making it considered one of the most promising and dynamic markets in the industry.

As the largest country in ASEAN with over 17,000 islands and a population of 240 million, Indonesia has experienced strong economic growth and a continuous increase in population over the past decade, leading to a rapid growth in electricity demand.

To meet the growing energy needs, the Indonesian government is currently vigorously developing solar energy, wind energy, and lighting projects based on its status as the “Archipelago State.” There are plans to achieve a solar photovoltaic (PV) share of 23% by 2025 and zero carbon emissions by 2060. Undoubtedly, Indonesia’s PV and energy storage market will witness significant development opportunities and space.

From November 14thto 16th,the PVS ASEAN2023was successfully held in Jakarta with strong support from the Indonesian Ministry of Industry and government departments. It is one of the largest and most influential solar energy exhibitions in the ASEAN region ye, as a prominent player in the renewable energy industry,debuted with full-scenario solutions, providing more comprehensive PV solutions and energy storageoptions for Indonesia.

The exhibition, held annually, serves as a rare platform for the industry to facilitate communication and procurement. Its aim is to showcase the latest technological achievements, promote opportunities for business

exchange and cooperation. The event attracted business leaders, industry experts, and technical scholars from various fields, gathering to discuss renewable energy solutions and the green future of developing new energy technologies.

At this exhibition, Deyeshowcased a variety of energy storage solutions, starting with the SUN-5K-SG03LP1 hybridinverter designed for residential use. Featuring a color touchscreen LCD and an IP65 protection rating, this inverter offers six charge-discharge time periods and supports direct charging from a diesel generator to the battery. Its user-friendly design makes it exceptionally convenient for consumers.

In addition to residential solutions, Deyepresented a commercial energy storage solution with the SUN-50K-SG01HP3-EU hybridinverter. This inverter ensures 100% three-phase unbalanced output, equipped with a high-voltage battery for high efficiency. It is versatile and can be easily deployed in various settings such as data centers and warehouses, providing outstanding performance and reliable quality with convenient expansion capabilities.

To broaden customer choices, Deyealso introduced a residential string inverter solution: the SUN-12K-G05. With 2 MPPTs and a maximum efficiency of up to 98.5%, this inverter offers an exceptionally wide output voltage range. Its user-friendly features include no need for export application, making it a convenient choice for users seeking reliable and efficient energy solutions.

In closing, the ASEAN Photovoltaic and Energy Storage Exhibition provided a glimpse into the future of renewable energy in Indonesia. Deye’s innovative solutions showcased at the event pave the way for a more sustainable and eco-friendly energy landscape.

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