



Bangkok microgrid energy storage

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The rapid development of Hybrid Microgrids as local, self-sufficient energy networks that are flexible, efficient, and quick to deploy was a main discussion topic at the conference.

Often linked directly to renewable energy resources (RER) Hybrid Microgrids use clean power generation while retaining the ability to work inside larger electrical transmission systems.

To address the challenges of microgrid efficiency and sustainability senior technical experts from Langley Holdings' Power Solutions Division – Piller Power Systems, Bergen Engines and Marelli Motori attended the event.

In a detailed session, speaker Palaniappan Muthuraman, Managing Director, Piller Power Singapore Pte. Ltd demonstrated the many aspects of microgrid implementation and the immediate requirements for balancing power and stabilisation. Therese Aalhus, Head of Engineering, Bergen Engines AS, also took to the stage in the Clean Energy Knowledge hub presenting their H2-ready engines and their path towards a zero-carbon future.

With the world's energy system is in transition, all commercial power users whether energy intensive single facilities such as a data centers, manufacturing plant, or a cluster of users such as a technology park or campus that uses large amounts of electricity, must transition to renewables and replace fossil fuels.

A hybrid renewable microgrid approach benefits intensive power users by eliminating excess power use, reducing wasted energy, while ending grid dependency and lowering overall carbon footprint.

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