

Bahrain s new energy storage power station





Overview

Why should Bahrain invest in power station 5 Block 4?

Bahrain's industrial growth depends on efficient power generation to sustain operations in energy-intensive sectors, such as aluminium production. The Power Station 5 Block 4 project directly contributes to the country's sustainability goals, reducing its carbon footprint while ensuring stable industrial energy solutions.

What is Mitsubishi Power doing in Bahrain?

Mitsubishi Power completes Alba's Power Station 5 Block 4, delivering hydrogen-ready gas turbine technology for efficient power generation and industrial energy solutions in Bahrain. Photo courtesy of MITSUBISHI HEAVY INDUSTRIES, LTD.

What is the energy composition in Bahrain?

In Bahrain, 48% of the energy is used for Services, 37% for Industry, 15% for Residential use, and 46% for other purposes, such as oil (26%), gas (8%), and electricity and coal (10%). The country's energy consumption amounts to approximately 530 billion Standard Cubic Feet/annum.

Why is Mitsubishi power deploying a hydrogen-ready gas turbine in Bahrain?

By deploying a hydrogen-ready gas turbine, Mitsubishi Power supports Bahrain's transition towards cleaner energy sources, paving the way for future hydrogen integration. Alba's Chairman, Khalid Al Rumaihi, emphasized that Power Station 5 Block 4 represents more than just an expansion; it is a symbol of innovation and sustainability.



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Alba's Power Station 5 Block 4 begins operation, advancing Bahrain's

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Bahrain Energy Storage Market: Key highlights and policy ...

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Bahrain Energy Storage Power Station Policy Key Insights ...

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Alba Power Station 5 (PS5) Block 4, Manama, ...

Jul 28, 2022 · Alba Power Station 5 (PS5) Block 4 is an expansion of the existing gas-fired PS5 combined-cycle gas turbine power plant in Bahrain.



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Oct 1, 2024 · The water distribution station features a storage capacity of 2.34 million gallons and is equipped with monitoring and control systems.

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