

Bahrain s largest 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.

Where is the Al Ezzel power station located?

Al Ezzel power station, also known as El Ezzel CCGT Power Plant Bahrain, is a 942-megawatt (MW) operating gas-fired power station located in Al Hidd, Muharraq, Bahrain.
The map below shows the exact location of the power station.
Loading map.

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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The pumped-storage power station working together with the energy storage battery can increase the response speed more quickly, improve the fault ability, achieve multi-time scale ...

[Bahrain introduces new \\$85m power and ...](#)

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



[Energy produced from Various Production Power Stations](#)

The production of electricity produced based on the power station names.Source: Electricity and Water Authority

[Bahrain energy storage power station](#)

Given Bahrain's climate, solar energy is a vital part of the kingdom's clean energy mix, accounting for 93% of its renewable capacity in 2020. In November 2021 the government inaugurated the ...



EWA President Visits Al Jasra 400kV Transmission Station -- Bahrain's

Apr 16, 2025 · His Excellency, Eng. Kamal bin Ahmed Mohammed, President of the Electricity and Water Authority (EWA), visited Al Jasra Electricity Transmission Station to review the ...



Manama 40MWh Energy Storage Power Station: The Game ...

Mar 20, 2020 · Imagine a battery so large it could power 6,000 homes for a full day. That's exactly what Bahrain's new Manama 40MWh large energy storage power station brings to the table.

...



Bahrain Approves Major Power Station Project

Dec 5, 2025 · The new power station is expected to enhance the country's electricity infrastructure, helping to meet growing demand and support future development. Under the ...





Bahrain's Energy Revolution: How Battery Storage is Solving Power

The Growing Pains of an Energy-Hungry Nation
Let's face it: Bahrain's energy consumption grew 38% faster than GDP in the past decade [5]. The Al Dur Power Station, which supplies 50% of ...



[Bahrain Approves Major Power Station ...](#)

Dec 5, 2025 · The new power station is expected to enhance the country's electricity infrastructure, helping to meet growing demand and support ...

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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.



[Al Ezzel power station](#)

1 day ago · Al Ezzel power station (???? ????? ?????? ??????) is an operating power station of at least 942-megawatts (MW) in Al Hidd, Muharraq, Bahrain. It is also known as El Ezzel CCGT Power ...



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

Feb 20, 2025 · Mitsubishi Power, a subsidiary of Mitsubishi Heavy Industries, Ltd. (MHI), has successfully completed the Power Station 5 Block 4 expansion at Aluminium Bahrain B.S.C. ...



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