



MODERNIZATION SOLAR

Israel Energy Storage Power Station





Overview

How does electricity work in Israel?

In Israel, many coal and gas power stations operate alongside plants that use renewable energy from natural sources. A large amount of electricity is not used, and in fact is discarded, due to a lack of effective storage options. Pumped storage uses this surplus electricity to raise water from the lower reservoir to the upper reservoir.

Is it possible to build a hydroelectric storage power station in Israel?

The Israel Electric Corporation (IEC) evaluated the feasibility of building a hydroelectric storage power station in Israel, specifically an 800 MW station at Nahal Parsa located at the south-west of the Dead Sea, in the 1990s.

How much does Electra Energy's pumped storage project cost?

The project is being built within approximately 5 years, at a cost of some NIS 2 billion. Electra Energy's share in the pumped storage project is 25% in the EPC work.

What is the capacity of pumped storage power plants?

The capacity of Pumped Storage Power Plants (PSPP), the world's 'water battery', is estimated to 161,000 Megawatts (MW) and could be increased by 50 percent until 2030, reaching 240,000 MW globally. AFRY is one of the largest hydropower consulting engineering companies globally, ranked No. 4 in the ENR Global Sourcebook 2020.



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Hydroelectric Power Station

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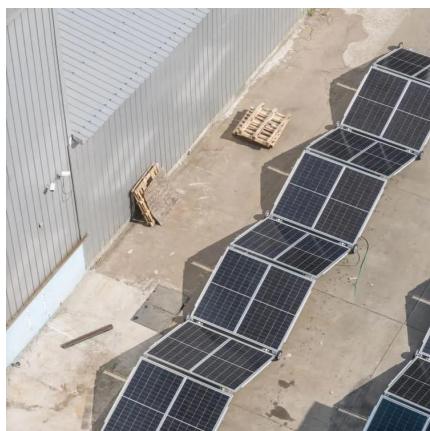
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The Dalia Power Station, owned and operated by Dalia Power Energies Ltd., is a 912 MW combined-cycle natural gas-fired plant in Israel, boasting 8% of the total electricity production ...



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