

Is Hatta the first pumped storage hydropower project in the Arabian Peninsula?

Hatta is claimed to be the first pumped storage hydropower project in the Arabian Peninsula. Credit: Artelia Group. The 250MW Hatta pumped storage power plant is being developed 140km away from Dubai,UAE. Credit: Hitachi Energy. A consortium comprising Andritz Hydro,Strabag and Özkar Insaat was selected for the construction of the project.

Can Dubai turn a hydro project into a reality?

The fascinating Emirate of Dubai,part of the United Arab Emirates,is about to turn a first-of its-kind hydro project into a reality. The Dubai Supreme Council of Energy formulated a strategic objective to diversify the Emirate's energy mix and to enhance sustainability through a program of clean energy development.

How much money will be invested in Saudi Arabia's first hydropower plant?

The total investment in the project is estimated to be roughly AED1.42bn (\$386.52m). Scheduled for commissioning in early 2024,it will be the first hydropower plant of its kind in the Arabian Peninsula.

Is Hatta Al Awwal still suitable for hydropower development?

It is the world's major landscape type and is still suitable for hydropower development. Near the community of Hatta,approximately 140 km southeast of Dubai in the Hajar Mountains on the northern border with the Sultanate of Oman,there is an existing reservoir created by the Sadd Hatta Al Awwal Dam.

The PSP in Hatta will be the first hydroelectric pumped-storage power plant in the territory of the United Arab Emirates (UAE), where so far fossil energy sources dominate in the energy mix. According to Ember research centre, gas-fired CHPPs in 2022 accounted for 82.5% of the overall power generation in UAE, while as nuclear power plants ...

The 250MW Hatta pumped storage hydropower plant is being developed near Dubai, United Arab Emirates (UAE), by Dubai Electricity and Water Authority (DEWA). The total investment in the project is estimated to be roughly AED1.42bn (\$386.52m).

In UAE, pumped-storage hydro-power plant with total capacity of 250 MW and lifespan of 60 to 80 years will be built by Dubai Electricity and Water Authority (DEWA) to make use of the water in the Hatta Dam. It is considered as the first hydro-power plant in GCC countries.

Andritz reports it has signed a contract -- as part of a consortium with the European construction group Strabag -- with Dubai Electricity and Water Authority (DEWA) to supply and commission the entire electromechanical and hydromechanical equipment for the 250-MW Hatta Pumped Storage Power Plant in the United Arab Emirates.

Micro hydropower plant United Arab Emirates

The Dubai Electricity and Water Authority (DEWA) has awarded a Dh1.437 billion (\$391 million) construction contract for a 250-MW hydropower project in the United Arab Emirates (UAE), a...

United Arab Emirates Construction of a pumped storage hydro power plant located near the community of Hatta in the Hajar Mountains, 140 km southeast of the city of Dubai. The plant is a key element in Dubai's goal of achieving the targets of its Clean Energy Strategy 2050.

Dubai Electricity and Water Authority (DEWA) has awarded an AED1.437 billion (US\$391.3 million) construction contract for the 250-MW Hatta pumped-storage hydroelectric power station to a consortium of Strabag Dubai LLC, Strabag AG, Andritz Hydro and Ozkar.

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