

European Solar Energy Storage

North korea s largest pumped storage project



Overview

The Yeongdong PSH Plant, with a total capacity of 500 MW (250 MW x 2 units), is scheduled to be built in Yeongdong County, North Chungcheong Province, by 2030. This marks Korea's first new pumped-storage project in 14 years, since the completion of the Yecheon facility in 2011.

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Korea Hydro & Nuclear Power (KHNP) has embarked on the construction of a pumped storage power plant for the first time in 14 years. The groundbreaking ceremony for the Yeongdong Pumped Storage Power Plant, located in the Yanggang and Sangchon areas of Yeongdong County, Chungcheongbuk-do, was held.

Doosan Enerbility announced on June 20th that it has signed a KRW 330 billion supply agreement with Korea Hydro & Nuclear Power (KHNP) to provide the main components for Units 1 and 2 of the Yeongdong Pumped-Storage Hydropower (PSH) Plant. The signing ceremony took place at KHNP's Radiation Health.

With its capital Pyongyang experiencing chronic power shortages, the nation is doubling down on energy storage hydropower stations - a hybrid solution combining traditional hydropower with modern storage tech. But here's the kicker: While these projects promise to revolutionize electricity access.

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KHNP Breaks Ground on Yeongdong Pumped Storage Power Plant

The Yeongdong Pumped Storage Power Plant will be the eighth of its kind to be built in South Korea, with a targeted completion date of 2030. It will consist of two 250 MW generators, totaling a capacity of 500 MW, with a project cost of approximately 1.3377 trillion won.

Big four construction firms compete fiercely for 1.5 trillion won

The bidding for the Hongcheon pumped storage plant, which will take place in August, is expected to draw big four construction companies: Hyundai E& C, Samsung C& T, Daewoo E& C, and POSCO.



What are north Korea s pumped storage projects

Pumped Storage Hydropower (PS) is the largest form of renewable energy storage, with nearly 200 GW installed capacity, providing more than 90% of all long duration energy storage across the world with more than 400 projects in operation.

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Pyongyang Energy Storage Project: Powering North Korea's ...

Let's face it - when you think of cutting-edge energy projects, Pyongyang might not be the first city that pops into your mind. But hold onto your hard hats, folks! The Pyongyang energy storage project is quietly becoming a cornerstone of North Korea's push to modernize its power grid.

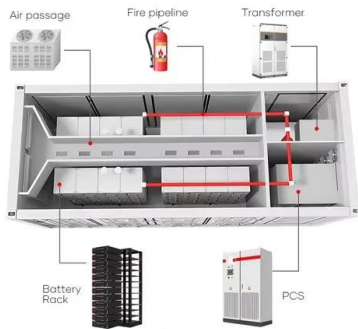
North Korea's proposed pumped storage project

Shell Energy puts new twist on old technology with pumped storage project The project could also provide about 50,000 acre-feet of water storage in underground basalt formations that could



Doosan, KHNP Sign Deal for Yeongdong Pumped-Storage Plant

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Read

This project is to construct a 500MW pumped-storage power plant in Sangchon-myeon and Yanggang-myeon, Yeongdong-gun, Chnugcheongbuk-do, with a targeted completion in 2030. The power plant will generate enough power to supply to about 110,000 households annually.



NORTH KOREA'S NEW WATER PUMPED STORAGE

But here's the kicker: the North Korea pumped energy storage project bidding process is shaping up to be one of 2025's most unexpected energy stories. Think of it as building a colossal battery except this one uses water, gravity, and some serious engineering chops.

latest news on north korea s pumped storage project

The Lewis Ridge Pumped Storage Project, a closed-loop, 287-MW hydropower facility, is being constructed at a site where coal was mined beginning in the 1950s, according to local records.



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North Korea's Energy Storage Hydropower Stations: Ambitions, ...

Let's start with North Korea's showpiece - the Huichon Hydropower Station. Completed in 2012 under intense political pressure, this 300 MW capacity giant became the poster child for "Chollima speed" (their term for breakneck construction).

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