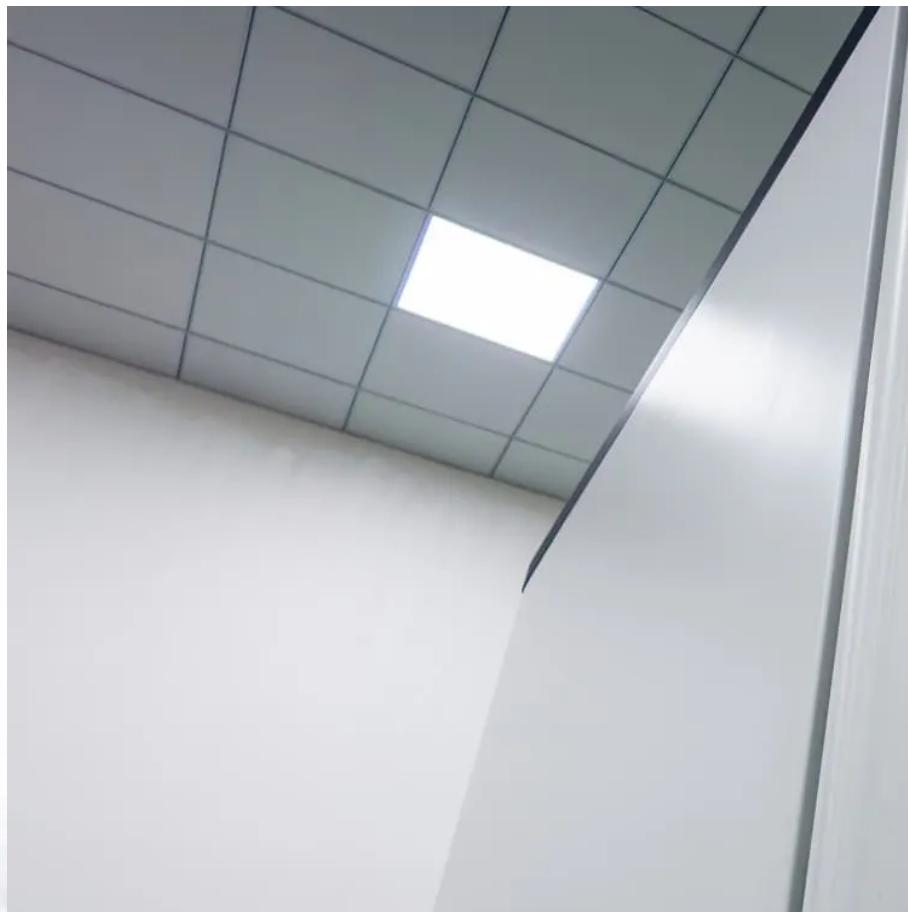




**BUHLE POWER**

# **Aarhus Air Energy Storage Power Generation Project in Denmark**





## Overview

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Will Aarhus' first geothermal heating plant be built in Skejby?

The councillor, CEO of Kredsløb and Project Director of Innargi kneeled to lay the foundation stone for Aarhus' first geothermal heating plant in Skejby. The plant will transfer heat from the geothermal reservoir to the district heating network.

When will a geothermal project start in Aarhus?

The first exploration well was drilled at the Port of Aarhus in 2023. The first of three geothermal facilities will be located in Skejby and deliver the first heat in 2025. The planned collected capacity of the geothermal heating plants in Aarhus is 110MW, equalling 20% of Aarhus' district heating demand.

How many geothermal plants are there in Aarhus?

The planned collected capacity of the geothermal heating plants in Aarhus is 110MW, equalling 20% of Aarhus' district heating demand. If everything goes to plan, the three geothermal facilities are to be completed in 2029 with an expected operation of at least 30 years. The annual CO2 emissions are expected to be reduced by up to 165,000 tonnes.



## Aarhus Air Energy Storage Power Generation Project in Denmark



### AARHUS ENERGY STORAGE CABINET SOLUTION IN DENMARK

The cheapest energy storage solution  
Compressed air storage - i.e., compressing air and storing it in caves, underground aquifers or abandoned mines until the air is needed to turn a turbine - ...

### AARHUS DENMARK PLANS TO BUILD ENERGY STORAGE PROJECT

Construction of a new energy storage project in Aarhus Denmark Danish renewables company European Energy A/S has begun construction of its first large-scale battery energy storage ...



### Compressed Air Energy Storage (CAES) for Large Scale Power Storage

CAES is positioned between pumped hydro and battery systems in terms of capacity and duration flexibility. Currently, Corre Energy develops projects in Holland, Denmark, and Germany--the ...

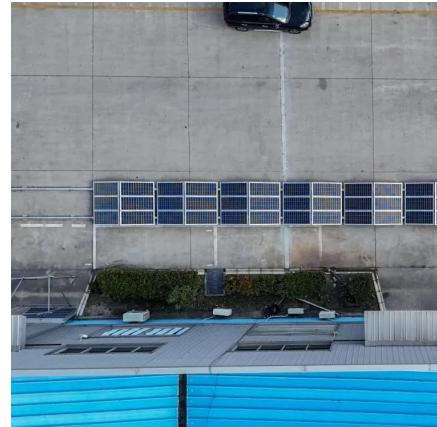
### How Battery Storage is Powering Denmark's ...

An ongoing super battery project in Denmark is a case study for using battery storage as a way to implement aggressive decarbonization strategies that ...



#### [THE AARHUS STORAGE RING -- A RESEARCH FACILITY FOR ...](#)

Advantages of liquid-cooled energy storage in Aarhus Denmark The advantages of liquid cooling ultimately result in 40 percent less power consumption and a 10 percent longer battery service ...



#### [ANDRITZ selected as supplier for large ...](#)

Jun 18, 2025 · The project aims to capture approximately 435,000 tons of CO<sub>2</sub> annually from the flue gases of a district heating facility, significantly ...



#### [Energy storage technologies in a Danish and ...](#)

In support of a focused Danish RD& D effort within energy storage, the funding programme committees needed a status of relevant energy storage technologies and an evaluation of their ...



## [Assessing Denmark's Electricity Market -- ...](#)

Oct 7, 2024 · Denmark's electricity market is dominated by renewable energy, especially wind power, and a commitment to climate goals. ...



## [Ørsted's Historic Carbon Capture Project in ...](#)

Dec 4, 2023 · (IN BRIEF) Ørsted has commenced construction on two carbon capture facilities at the Asnæs Power Station and Avedøre Power ...



## [ANDRITZ Awarded Contract for Large-Scale ...](#)

Jun 18, 2025 · ANDRITZ AG, a global leader in sustainable industrial solutions and advanced clean air technologies, has been selected by ...



## Something is sustainable in the state of Denmark: A review ...

Apr 1, 2022 · Future challenges for the Danish district heating sector include increasing biomass import dependency, the changing role of combined heat and power plants in the energy ...

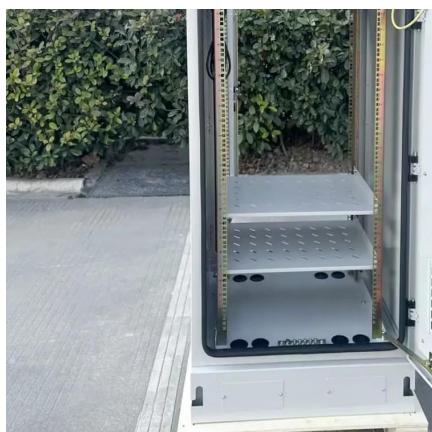


## Compressed Air Energy Storage (CAES) for ...

CAES is positioned between pumped hydro and battery systems in terms of capacity and duration flexibility. Currently, Corre Energy develops projects ...

## The performance analysis of a compressed air energy storage ...

Dec 1, 2024 · The costliest components in the system were the compressed air energy storage unit, followed closely by organic Rankine cycle 1 and organic Rankine cycle 2. In ...



## Top 10 clean energy manufacturers in Denmark

2 days ago · This article will look at the top 10 clean energy manufacturers in Denmark including Vestas, Orsted, Green Hydrogen Systems, Everfuel ...



## [Geothermal Group, Geoscience, Aarhus University](#)

Nov 13, 2025 · Priority of renewable energy in regional energy networks ask for energy storage facilities. As the background for the evaluation of the potential for shallow heat storage as well ...



## [ANDRITZ selected as supplier for large carbon capture plant in Aarhus](#)

Jun 18, 2025 · The project aims to capture approximately 435,000 tons of CO 2 annually from the flue gases of a district heating facility, significantly contributing to Aarhus' goal of becoming CO ...

## [ANDRITZ Awarded Contract for Large-Scale CCS Plant in Aarhus, Denmark](#)

Jun 18, 2025 · ANDRITZ AG, a global leader in sustainable industrial solutions and advanced clean air technologies, has been selected by Danish utility Kredsløb to deliver a large-scale ...



## [Aarhus Air Energy Storage Power Generation Project in Denmark](#)

The plant will be the largest electricity storage facility in Denmark, with a capacity of 10 MWh. The project is being funded by the Energy Technology Development and Demonstration Program ...



## Aarhus Air-Cooled Energy Storage System A Sustainable ...

Why Aarhus Chose Air-Cooled Energy Storage Denmark, a global leader in wind energy, faces a critical challenge: storing excess renewable power efficiently. The Aarhus air-cooled energy

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## PROJECT AARHUS DENMARK

Aarhus Air Energy Storage Power Generation Project in Denmark The plant will be the largest electricity storage facility in Denmark, with a capacity of 10 MWh. The project is being funded

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