

# Aarhus Energy Storage Project in Denmark





## Overview

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How much CO2 does Aarhus emit?

In 2022, the energy sector in Aarhus emitted 698,000 metric tons CO<sub>2</sub>e. Today, about 70% of Aarhus' energy needs are met by sustainable energy sources, including biomass, which covers 69% of the municipality's energy needs.

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.

Will Aarhus be a 'green district heating of the future'?

Aarhus is committed to taking the next steps toward an even greener energy supply system, and with 'the green district heating of the future', we can phase out fossil fuels and get down to 15% biomass in 2030.

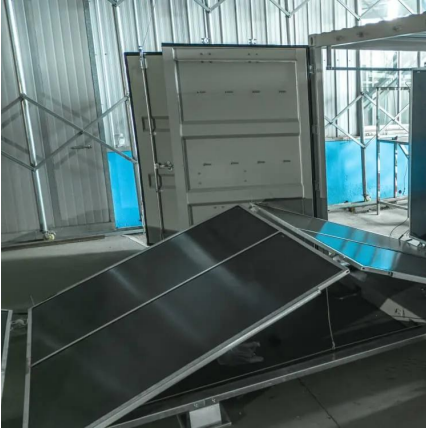
How much energy will Aarhus produce in 2030?

It is estimated that the combination of 1,600 hectares of solar energy and 10 new wind turbines combined would lead to a reduction in CO<sub>2</sub> emissions of 12,000 metric tons in 2030 and generate approx. 1,450 GWh annually, which corresponds to about 50% of Aarhus' projected electricity consumption in 2030.



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### **ANDRITZ selected as supplier for large carbon capture plant in Aarhus**

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 contributing to Aarhus' goal of becoming CO ...

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

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### [Denmark grants its first-ever approval for CO<sub>2</sub> storage facility](#)

Denmark has issued its first-ever approval for a full-scale CO<sub>2</sub> storage facility, clearing the Greensand Future project to store CO<sub>2</sub> in the Nini West field.



### [Straw-fired combined heat and power plant ...](#)

We tell why. AffaldVarme Aarhus, the municipality-owned energy utility for Aarhus, Denmark's second-largest city, put into operation a new 110 MW biomass-fired combined heat and



power (CHP) plant at its ...



### [Straw-fired combined heat and power plant in Aarhus -- a ...](#)

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## European Energy launches large-scale battery storage project in Denmark

European Energy, in collaboration with Kragerup Estate, has initiated its first large-scale battery storage project in Denmark. The battery, expected to begin test operations in Q1 ...



## Project Aarhus, Denmark

Projects Project: Aarhus, Denmark In collaboration with district heating company Kredsløb, Innargi is bringing geothermal district heating to Aarhus, Denmark's second largest city. The first ...



## Large-scale Bio-Energy Carbon Capture and Storage

Turning negative emissions into positive change  
By 2030, we will create and operate one of Denmark's largest scale Bio-Energy Carbon Capture and Storage facilities at our district ...



## **Project Aarhus, Denmark**

Projects Project: Aarhus, Denmark In collaboration with district heating company Kredsløb, Innargi is bringing geothermal district heating to Aarhus, Denmark's second largest city. The first geothermal plant opened in ...

## 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 ...



## **ANDRITZ Awarded Contract for Large-Scale CCS Plant in Aarhus, Denmark**

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 ...



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