



Stockholm zinc air energy storage project





Overview

Stockholm Exergi—the largest provider of district heating in the Stockholm region—is building a carbon capture facility to remove and permanently store 800,000 tonnes of biogenic CO₂ under the North Sea seabed annually.

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Milan (Italy), March 31, 2025 – Saipem has received from Stockholm Exergi, the district of Stockholm’s energy company, a full notice to proceed for a large-scale CO₂ capture project at Stockholm Exergi’s existing bio-cogeneration plant in Sweden, after the successful financial closure of the.

The European Investment Bank (EIB) has granted a loan of €260 million to Stockholm Exergi for the construction of Sweden's first large-scale bioenergy plant with carbon capture and storage (BECCS). Beccs Stockholm, which will begin construction at Värtaverket, is expected to be fully operational in.

Our carbon capture and permanent storage project will become an entirely new line of business, making Stockholm one of the first cities in the world to do this at scale,” says Åse Lagerqvist von Uthmann, CFO of Stockholm Exergi. “It’s a big step, and one we hope others will build on.” By Arild.

Enerpoly, a Stockholm-based innovator in zinc-ion battery cell technology, has launched the world’s first zinc-ion battery megafactory. According to the Swedish startup, this marks a “landmark step” in advancing the global transition to clean energy by providing sustainable, affordable, and safe.

Swedish energy storage companies are quietly revolutionizing how we store and distribute power, blending sustainability with Scandinavian practicality. From zinc-ion breakthroughs to mega-scale battery farms, let’s unpack what makes this Nordic nation a global leader. This article is for: We’ll.

Stockholm-based Enerpoly has opened the world’s first zinc-ion battery megafactory, which will start production in 2025. Founded in 2018, the company is known for making zinc-ion battery cell technology, which could play a significant



role in the transition to a clean energy future. The 6,500m².



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[Swedish startup bets big on zinc-ion batteries with world's](#)

Swedish startup Enerpoly has opened the world's first zinc-ion battery megafactory. Its vision is to scale a better alternative to lithium-ion for storing renewable energy over longer ...

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Zinc8 is a leading technology developer and manufacturer of zinc-air long-duration energy storage systems for utilities, commercial and industrial facilities, and remote microgrids. The company ...



[Stockholm Exergi: Where carbon turns to stone](#)

Stockholm Exergi is building one of the world's largest facilities for capture and permanent storage of biogenic carbon dioxide, ...

[Enerpoly launches zinc-ion battery megafactory near Stockholm, ...](#)

Zinc-ion batteries from Enerpoly are designed to cater to a variety of energy storage needs, including grid storage, backup power, and safety-



critical applications.



[Stockholm Exergi: Where carbon turns to stone](#)

Stockholm Exergi is building one of the world's largest facilities for capture and permanent storage of biogenic carbon dioxide, scheduled for completion late in 2028.

[Zinc: A link from battery history to energy storage's ...](#)

From data centres to long-duration storage for the grid, zinc looks increasingly likely to play a part in the energy transition, writes Dr ...

48V 100Ah



48V 100Ah



[Stockholm Exergi to Build One of the World's Largest Carbon ...](#)

The project, called Beccs Stockholm, will be built at the city's energy port near the Värtaverket power plant, which already generates electricity and heat from wood waste. CO 2 ...



[Sweden: EIB finances ground-breaking carbon ...](#)

The European Investment Bank (EIB) has granted a loan of EUR260 million to Stockholm Exergi for the construction of Sweden's first ...



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Energy storage already is transforming power generation, and most industry analysts say the potential for storage is limited only by its ...

[Swedish startup bets big on zinc-ion batteries with ...](#)

Swedish startup Enerpoly has opened the world's first zinc-ion battery megafactory. Its vision is to scale a better alternative to lithium-ion ...



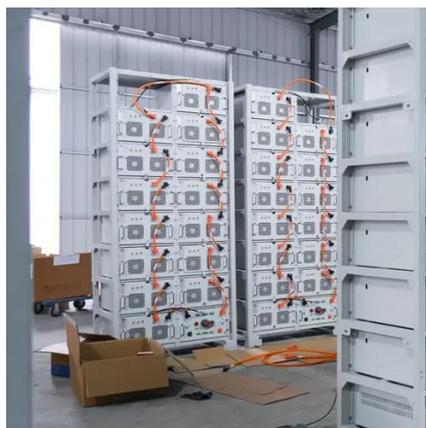
[Zinc8 Energy Solutions Announces Progress on Their Energy Storage](#)

Since the energy storage capacity of the system is determined only by the size of the zinc storage tank, a very cost-effective and scalable solution now exists as an alternative to the fixed ...



[Enerpoly opens world's first zinc-ion battery mega-factory in Sweden](#)

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[Sweden: EIB finances ground-breaking carbon capture plant in Stockholm](#)

The European Investment Bank (EIB) has granted a loan of EUR260 million to Stockholm Exergi for the construction of Sweden's first large-scale bioenergy plant with carbon ...



[High performing electrically rechargeable zinc-air batteries for](#)

The EU-funded HIPERZAB project seeks to address these challenges by developing a revolutionary electrically rechargeable Zing-Air battery with improved cyclability, ...



[Zinc8 Energy Solutions Inc.](#)

Zinc8 Energy Solutions currently employs 25 engineers and energy professionals, and it is in the process of commercialization of its Zinc-Air Energy Storage System.



[NYPA signs agreement for planned deployment of zinc-air storage ...](#)

The New York Power Authority (NYPA) has signed an agreement with Zinc8 Energy Solutions Inc. and the University at Buffalo for the planned deployment of the ...



[zinc-air battery Archives](#)

Zinc-air battery company e-Zinc has entered into a pilot project collaboration with Toyota Tsusho Canada (TTCI) to trial its energy ...

[Enerpoly opens zinc-ion battery megafactory in Sweden](#)

Enerpoly, a deep tech company, develops zinc-ion battery cells and packs using patented technology to support the global transition to renewable energy. The company's ...



[Zinc8 Update to Commercialization Milestone '75 House' in Surrey ...](#)

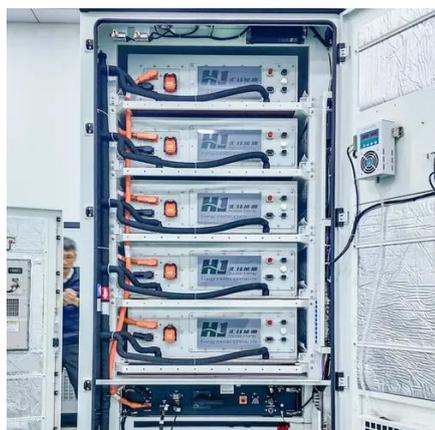
"The ability to deliver our 'Zinc-Air Energy Storage System' on time to the '75 House' construction project reinforces our commitment to becoming a leader in the ...





[Saipem: full notice to proceed from Stockholm Exergi for the ...](#)

Once operational, the plant will capture 800,000 tonnes of biogenic carbon dioxide annually from the biomass-fueled Värtaverket power plant in Stockholm, enabling net removal ...



[Dominion Energy explores pioneering battery ...](#)

The pilot project, which will be located at the existing Darbytown Power Station in Henrico County, will test two alternatives to ...

[Zinc Energy Storage: The Sustainable Battery ...](#)

Zinc energy storage emerges as a groundbreaking solution in Europe's transition to sustainable energy systems, offering a safer, more ...



[Enerpoly opens zinc-ion battery megafactory in ...](#)

Enerpoly, a deep tech company, develops zinc-ion battery cells and packs using patented technology to support the global transition to ...



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