

European Solar and Energy Storage Solutions

Curaçao hyme energy storage



Overview

What is Hyme thermal energy storage?

Hyme uses a unique family of hydroxide salts that enable greater efficiency and cost savings compared to other salts in the thermal energy storage market. Derived from seawater, hydroxide salts face no supply constraints. High energy density allows for a compact system, while high thermal conductivity boosts equipment efficiency.

What is Hyme doing with molten hydroxides?

Using our own salt treatment methods, we're scaling these solutions for industrial use. Hyme is also refining salt blends to boost the thermal performance of molten hydroxides in energy storage.

Could molten salt help Hyme energy scale its technology to industrial levels?

Now, Denmark's Hyme Energy, which makes thermal batteries that use molten salt, has signed a deal that could help it scale its technology to industrial levels: Arla, a Danish-Swedish multinational co-operative and the fifth biggest dairy company in the world, is partnering with Hyme to develop a large-scale industrial thermal storage system.

Does Hyme use molten salt?

Hyme uses a molten salt system built for energy-intensive industries, such as food and beverage, chemicals and metals production. The proposed system will have a capacity of 200 MWh, and would convert electricity from renewable sources into heat that will then be stored in molten salt tanks at above 500° Celsius.

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To Strive forward No Energy Waste



- ✓ All in one
- ✓ 100-215kWh High-capacity
- ✓ Intelligent Integration

World's largest industrial energy storage facility to be ...

2 ????. Scaleup Hyme Energy is partnering with Arla to secure the financial basis for establishing a record-breaking thermal energy storage facility. Specifically, the project will include a 200 MWh Hyme energy storage system, ...

After raising \$26M, Hyme Energy signs global deal to scale thermal storage

According to PitchBook, thermal battery startups like Hyme raised over \$170 million in venture funding in 2023, and are on track to raise more than double that in 2024.. The project will initially



- ☑ High energy density and long cycle life
- ☑ Modular structure



- ✓ No need to replace the battery
- ✓ Shorter charging time
- ✓ Meets #1EV car

Press release

Hyme Energy is a deep tech startup on a mission to make sustainable energy available, always. Hyme's game-changing energy storage system provides a cost-effective solution for the decarbonisation of industrial heat. Based in Copenhagen (Denmark), Hyme was established in 2021 with the aim of bringing ground-breaking research insights into sodium

Start-up ready to build facilities to store wind energy

Hyme Energy has developed a thermal energy storage system that uses liquid sodium hydroxide to store excess wind and solar power. The principle behind the system involves a large "immersion heater" that heats the sodium hydroxide ...



World's largest industrial energy storage facility to be built in

2 ???· Scaleup Hyme Energy is partnering with Arla to secure the financial basis for establishing a record-breaking thermal energy storage facility. Specifically, the project will include a 200 MWh Hyme energy storage system, which has the potential to help Arla's milk powder dairies, generally the most energy-intensive of Arla's production

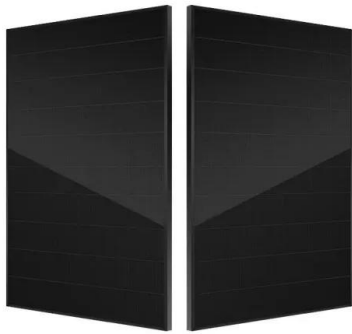
Hyme Energy signs global deal with Arla to scale ...

1 ??· According to PitchBook, thermal battery startups like Hyme raised over \$170 million in venture funding in 2023, and are on track to raise more than double that in 2024.. Hyme's competitors



Our demonstrator plant

The MOSS project (MOlten Salts Storage) brings a strong consortium of partners together to build the first Hyme energy storage facility. In collaboration with a consortium of partners from Denmark and Europe, Hyme will build the first ...



Press Release: MOSS project steel cutting event -- Hyme Energy

Hyme Energy, DIN Forsyning, and several other partners have constructed the world's first thermal energy storage that will store green electricity from renewable sources in molten hydroxide salt. Søren Gade (speaker of Danish Parliament and Chairman of Port of Esbjerg), and Ask Emil Løvschall-Jensen (Hyme's CEO) cutting the ribbon and



Start-up ready to build facilities to store wind energy

Hyme Energy has developed a thermal energy storage system that uses liquid sodium hydroxide to store excess wind and solar power. The principle behind the system involves a large "immersion heater" that heats the sodium hydroxide from 350 degrees up to 700 degrees, at which point the substance retains the heat until it must be converted back into electricity.

Green steam with thermal energy storage -- Hyme Energy

Hyme's solution transforms renewable electricity

into reliable, green and cost-competitive steam for industrial processes. Discover how our solution works and can support you in your decarbonisation journey.



Our Projects -- Hyme Energy

We are actively deploying storage plants across multiple locations in partnership with key market players and supported by funding from EUDP and EU Horizon. Additionally, we have a maturing pipeline of more than 1 GWh, with projects of ...

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Three years after cracking cheap solar storage, Hyme plans the ...

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Green steam with thermal energy storage -- Hyme Energy

Thermal Energy Storage. Using molten salts to store green electricity, delivering stable, high-temperature steam on an industrial scale. Learn more. Energy cost savings. Storing clean electricity when it's cheapest and most abundant, and releasing green heat around the clock, on-demand Hyme Energy ApS - CVR 42822027



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World's first molten salt energy storage facility launched in ...

Animation showing how the facility will work. Credits: Hyme Energy According to Ask Emil Løvschall-Jensen, CEO and co-founder of Hyme Energy, future commercial MOSS facilities could store green



Thermal energy storage for industrial decarbonisation -- Hyme Energy



Our team of world-class chemistry and materials science experts is breaking new ground in high-temperature molten hydroxide storage. Using our own salt treatment methods, we're scaling these solutions for industrial use. Hyme is also refining salt blends to boost the thermal performance of molten hydroxides in energy storage.

Testing finished on 'world's largest' thermal energy storage system

In late April, a MW-scale molten salt hydroxide energy storage project was inaugurated in Denmark, also the first of its scale in the world, technology provider Hyme claimed. Two months prior to that, thermal energy storage startup Antora raised US\$150 million to commercialise its tech which uses heat stored in blocks of carbon material.



Three years after cracking cheap solar storage, Hyme plans the ...

1 ??· Hyme Energy spun out of Seaborg, a next-generation nuclear startup based in Copenhagen, in 2021. It accidentally discovered a molten salt storage solution using sodium hydroxide that could halve the cost of storing green energy, offering a viable alternative for industrial companies that rely heavily on fossil fuels.. The technology works by heating salt to ...

Our Projects -- Hyme Energy

We are deploying thermal energy storage plants

in several locations, collaborating with Danish and European partners and suppliers. Check out the projects we are currently working on and their importance for our technological development. O. Hyme Energy ApS - CVR 42822027.



Molten hydroxide salt energy storage inaugurated in Denmark

Hyme Energy has inaugurated a molten hydroxide salt energy storage project in Denmark, the first such deployment in the world, it claimed. The system has been built as part of a project called 'Molten Salt Storage - MOSS', located in Esbjerg, Denmark, and is the world's first MW-scale thermal energy storage unit based on molten

Second Life for Power Plants (2LiPP Project) -- Hyme Energy

First-of-a-kind hybrid storage plant. The project will demonstrate how a combination of three energy storage technologies with different storage capacities and dispatch capabilities can be operated in parallel to provide a wide range of grid services: Flywheel, provided by QuinteQ Energy . Recycled lithium-ion batteries, provided by PLS Energy



PECC2 -- Hyme Energy

About Hyme Energy's storage product and technology. Hyme storage plants are erected on-site and delivered to the customer by Hyme and



partners as a turn-key product ready to produce combined heat and power or industrial heat, as needed. Hyme's storage plants will store from 200 MWhs up to 10 GWh or more with very little footprint.

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