

What is the long duration energy storage Council?

Today, on Global Energy Storage Day, the Long Duration Energy Storage Council celebrates the pivotal role energy storage solutions play in shaping a sustainable and resilient clean energy future and calls for accelerated action to scale and deploy these vital technologies. © 2024 LDES Council. All Rights Reserved.

Who is the CEO of the long duration energy storage Council?

As CEO of the Long Duration Energy Storage Council, an executive-led global nonprofit organization with more than 60 members operating in 20 countries, Julia leads strategic planning and market and policy development activities to rapidly deploy and scale long duration energy storage to support the clean energy transition worldwide.

Why do we need long duration energy storage?

Through long duration energy storage we can transition towards renewable energy in an affordable, reliable and sustainable way. Wind, solar and other renewables are becoming the lowest cost forms of generation but need storage to match supply with demand. Consumer demand means that peaks in the morning and evening need to be met by extra supply.

The council said on November 23 it "will publish its first annual report on the need for long duration energy storage to reach NetZero carbon emissions. "The report, based on research and collaboration of council members, concludes that 1.5TW-2.5 TW and 85TWh-140 TWh long duration energy storage could be deployed globally by 2040.

The latest report from the LDES Council shows long duration energy storage paired with renewable energy is a viable, cost effective, and readily applicable option for industrial decarbonization. These technologies can reduce global industrial emissions by 65% using solutions that are already available. In mining, steel, cement, chemicals, food ...

The CEO-led organisation was launched at COP26, including BP and Breakthrough Energy Ventures among its founder members, alongside 16 long-duration energy storage (LDES) technology providers, industry off-takers and end users, equipment manufacturers and energy system integrators and developers.. The report, "Net-zero power: Long duration ...

9 November, 2022 - BRUSSELS - The Long Duration Energy Storage Council ("The Council") released a report today during COP27 that quantifies the impact of thermal energy storage (TES) to deliver low-cost, reliable, secure and clean net-zero heat, complemented by other long duration energy storage (LDES) technologies. The Council will co-host a live panel discussion at 16:00 ...

November 10, 2021: The Long Duration Energy Storage Council announced its formation on November 4. It is the creation of 24 technology companies, users and investors with a stated ...

Long Duration Energy Storage Council is launched 05 Nov 2021 by Energy Global 25 companies have united to provide guidance to governments and grid operators on long duration energy storage (LDES) technologies, which supply clean power 24 hours a day. ... With increased use of long duration energy storage, we can reduce emissions with up to 2.3 ...

The Long Duration Energy Storage (LDES) Council, of which Corre Energy are a member of, are a global CEO-led organisation formed to accelerate worldwide decarbonisation. The council today (Tuesday 23 rd ...

Long-duration energy storage has a crucial role to play in decarbonising the global energy system sufficiently to avoid catastrophic climate change as long as its value can be unlocked. That's the central thrust of a new ...

21 September, 2022 - BRUSSELS - The Long Duration Energy Storage Council ("The Council"), a global executive-led organization focused on replacing the use of fossil fuels to meet energy demand with zero-carbon long duration energy storage, is welcoming nine new members. The Council was launched in November 2021 and has rapidly grown, adding 38 members to date ...

16 ???· Long-duration energy storage (LDES) capacity should reach 1.5 TW by 2030 and up to 8 TW by 2040 to achieve global decarbonization targets, says the LDES Council. Its ...

The LDES Council is a global non-profit with over 60 members in 20 countries. The Council works to accelerate the decarbonization of our world through the acceleration of long-duration energy storage.

Julia Souder, CEO of the Long Duration Energy Storage Council, explores energy storage as the cornerstone of power grids of the future.. This is an extract of a feature which appeared in Vol.35 of PV Tech Power, Solar Media's quarterly technical journal for the downstream solar industry. Every edition includes "Storage & Smart Power," a dedicated ...

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Shortly after being formed in November, the Long Duration Energy Storage Council published its first report. Its headline figure was the estimation that deployment of 85TWh to 140TWh of long duration energy storage (LDES) by 2040 could be enough to keep the world on track to limit global warming to 1.5°C as outlined in the Paris Agreement.

Baku: The world is not moving fast enough to decarbonise its energy systems to meet global climate

commitments, according to a report from the Long Duration Energy Storage (LDES) Council. The Council's first Annual Report calls for an immediate scale-up of long-duration energy storage solutions to integrate the rapidly increasing renewable energy capacity coming ...

9 May, 2022 - BRUSSELS - The ("The Council") announced today that energy and environmental veteran Julia Souder was selected to be the organization's first CEO. Souder will lead the Council's strategy and vision to enable the advancement of long duration energy storage to the center stage of the energy transition worldwide.

The LDES Council partners with strategic organizations around the globe to educate key stakeholders about long duration energy storage (LDES), and work to implement storage targets, define shared goals, and advocate for policies impacting the acceleration of the diverse family of LDES technologies to reach a goal of 8TW of LDES by 2040.

The LDES Council provides encouragement for the adoption of long duration energy storage and guidance on the implementation of the technology. Representing a wide spectrum of different technologies and approaches to energy storage, the Council provides analysis and background information along with facts on current deployment of long duration ...

Long duration energy storage is the lynchpin to decarbonisation as it can inexpensively store the electricity from wind, solar and other renewables and make it available when needed." The council plans to increase the rollout of mechanical, electromechanical, chemical and thermal long-duration energy storage systems.

The Long Duration Energy Storage Council commissioned this report to demonstrate the current and potential applications for member technologies to decarbonize industry. There are multiple long duration energy storage technologies commercially available and ...

The Long Duration Energy Storage Council is being formed by 24 technology companies, users and investors to achieve grid net-zero by 2040. This will see ~10% of all energy being stored in 8 hour+ storage technologies, requiring 85-140 TWh of deployed capacity .

After a decade of lithium-ion procurement, the leading clean energy states are finally turning their attention to long duration energy storage. Although it may still seem like a new idea, state-mandated procurement of energy storage has actually been going on for more than a decade. As of mid-2024, twelve U.S. states have set intentions to...

The Long Duration Energy Storage (LDES) Council, a global CEO-led organisation focused on replacing the use of fossil fuels to meet peak demand with zero-carbon long duration energy storage, today welcomed 12 new members since its launch in November 2021 at COP26 in Glasgow. The organisation now has a total of 36 diverse companies in ...

Long duration energy storage for a renewable grid. 2 The LDES Council was founded in 2021 to address some of the big questions on the role of energy storage to achieve net zero Low-carbon energy system integrators & developers Equipment ...

16 Long-duration energy storage (LDES) capacity should reach 1.5 TW by 2030 and up to 8 TW by 2040 to achieve global decarbonization targets, says the LDES Council. Its annual report contains "seven enablers" to scale LDES, mostly hinging on awareness of the technology.

We cover a lot of interesting areas: from Murtagh's personal journey from helping shape energy policy in California to joining the LDES Council, to the different definitions of Long-duration energy storage, how newer technologies can compete with or complement lithium-ion batteries in the global market and the Council's work in modelling ...

To complement this high-level target, the Long Duration Energy Storage Council sees a need for over 1 TW of LDES, including power and thermal storage, by 2030 and forecasts a need for up to 8 TW of long duration energy storage capacity by 2040 to deliver net zero, a 50-fold increase in current deployment levels. ...

Long duration energy storage offers a superior solution. It complements transmission and renewables, moving energy through time to when it's most needed. It reduces ... The future of long duration energy storage - Clean Energy Council 2 Australia's power systems are going through a process of rapid decarbonisation. This is central to ...

Cruachan Dam, Scotland, an existing 440MW pumped hydro energy storage (PHES) facility, one of only four in the UK. Image: Drax Power. The UK's Department for Net Zero and Energy Security (DESNZ) has confirmed a new scheme today (10 October) aiming to stimulate investment in the country's long-duration energy storage (LDES) sector.

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16 December, 2022 - BRUSSELS - The Long Duration Energy Storage (LDES) Council ("The Council"), a global executive-led organization focused on replacing the use of fossil fuels to meet energy demand with zero-carbon long duration energy storage, has tripled its membership in 2022. The Council launched in November 2021 with 24 founding members, and rapidly grew to ...

As the world transitions to decarbonized energy systems, emerging long-duration energy storage technologies will be critical for supporting the widescale deployment of renewable energy sources. ... is long-duration ...



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