

Salgenx Announces Breakthrough Integration of Ultracapacitors with Saltwater Flow Batteries for Unmatched Power Response

Salgenx revolutionizes energy storage by development of ultracapacitors and saltwater flow batteries, enhancing power response & efficiency for grid storage.

MADISON, WISCONSIN, USA, June 2, 2023 /EINPresswire.com/ -- [Salgenx](#), a leading innovator in energy storage solutions, has unveiled a groundbreaking development in the field of renewable energy storage. The company is developing integrated ultracapacitors with saltwater redox flow batteries (SRFBs), resulting in significantly improved power response and system performance. This breakthrough technology promises to revolutionize the way we store and utilize renewable energy.



Dutch Wind Turbine

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Greg Giese CEO of Salgenx

Renewable energy sources such as solar and wind play a vital role in our pursuit of a sustainable future. However, their intermittent nature poses challenges for storing and delivering power when it is needed most. Salgenx has addressed this critical issue by combining ultracapacitors, renowned for their high-power capabilities, with SRFBs, known for their scalable and eco-friendly characteristics.

The integration of ultracapacitors with SRFBs unlocks a multitude of benefits that propel energy storage systems

to new heights:

1. Enhanced Power Response: By leveraging the ultrafast charge and discharge capabilities of

ultracapacitors, the integrated system ensures rapid power output within milliseconds. This agility compensates for the comparatively slower response time of SRFBs, significantly boosting the overall power output of the system.

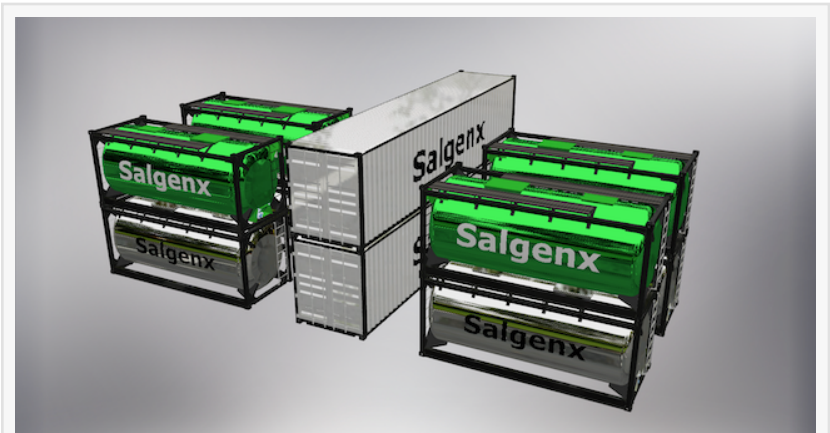
2. Increased Efficiency: With the addition of ultracapacitors, the SRFB system can efficiently handle short-duration high-power demands. During periods of peak power consumption, the ultracapacitors swiftly deliver the required energy, alleviating stress on the SRFB and enabling optimal energy efficiency. This increased efficiency extends the lifespan of the SRFB and enhances the overall performance of the system.

3. Enhanced Energy Density: SRFBs are known for their high energy density, while ultracapacitors excel in power density. By integrating these two technologies, the combined system can harness the advantages of both. The SRFB provides long-duration energy storage, while the ultracapacitors supplement it with high-power bursts when needed, resulting in a more comprehensive energy storage solution.

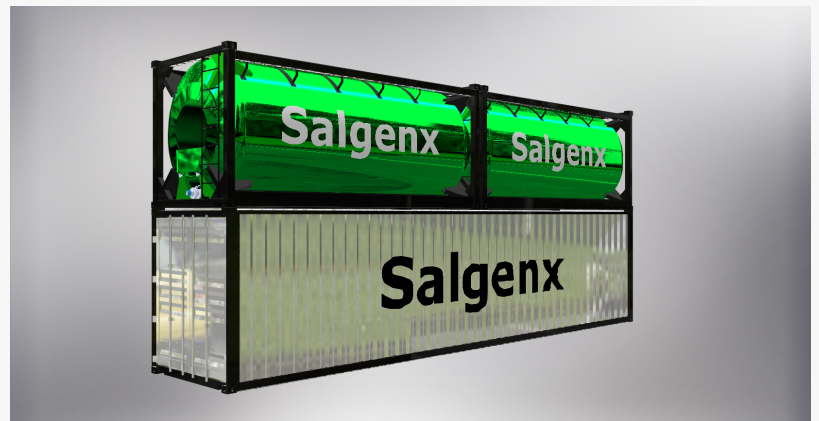
Salgenx's integration of ultracapacitors with SRFBs represents a significant leap forward in energy storage technology. The breakthrough holds tremendous promise for renewable energy applications, enabling a more resilient and sustainable electrical grid.

"The successful integration of ultracapacitors with SRFBs will be a significant milestone for Salgenx and the renewable energy industry as a whole," said Greg Giese, CEO of Salgenx. "This breakthrough technology offers unparalleled power response and efficiency, ensuring reliable energy storage for the renewable energy sector. We are thrilled to be at the forefront of this innovation and look forward to the positive impact it will have on our global energy landscape."

Salgenx's cutting-edge solution presents a game-changing opportunity for the renewable energy market. By improving power response and efficiency, Salgenx aims to accelerate the adoption of renewable energy sources, reducing our reliance on traditional fossil fuels and making significant strides towards a greener and more sustainable future.



Salgenx S12MW 12,000 kWh Grid Scale Energy Storage Battery



Salgenx S3000 Salt Water Battery Energy System

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Salt Water Battery [Technology Report](https://www.infinityturbine.com/flow-battery-technology-report.html): <https://infinityturbine.com/flow-battery-technology-report.html>

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