


Revolutionary Saltwater Battery Conference Set to Illuminate Zurich This April

Learn about redox flow batteries and why the saltwater flow battery doesn't need a membrane and is the best choice for nonflammable grid-scale energy storage.

DAVOS, GRAUBÜNDEN, SWITZERLAND, March 31, 2024 /EINPresswire.com/ -- An unprecedented event dedicated to the cutting-edge of energy storage technology, the Saltwater Battery Conference, is scheduled to take place in Zurich on Thursday, April 25, and Friday, April 26, with registration closing on April 19. Hosted in the heart of Europe's innovation landscape, this conference promises to unveil the potential of saltwater flow batteries, a groundbreaking advancement in non-flammable, grid-scale energy storage solutions.

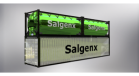
The conference is meticulously designed to cater to professionals, innovators, and policymakers keen on exploring sustainable energy storage technologies. Over the course of two days, attendees will dive deep into the world of membrane flow batteries, understanding why the saltwater flow variant stands out as a superior choice due to its innovative no-membrane design.

Day One: An Insightful Introduction to Saltwater Battery Technology




Infinity Turbine
LLC

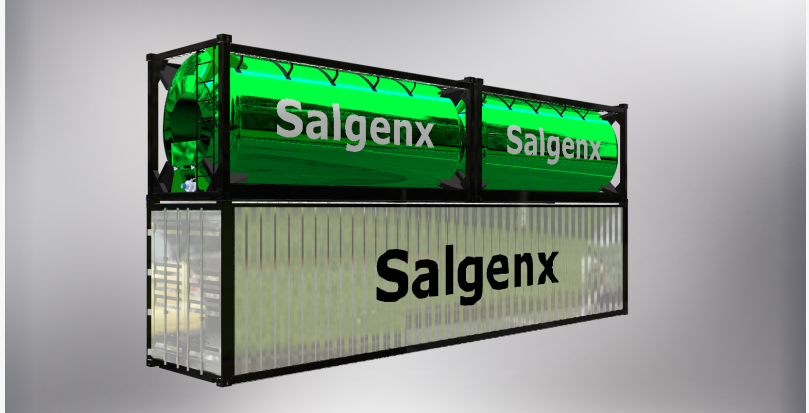
Saltwater Battery Conference
Zurich Switzerland
Thursday April 25 and Friday April 26
(Registration Closes April 19)



Salgenx

Thursday April 25 2024	Friday April 25 2024
<p>Welcome and Introduction</p> <p>Membrane Flow Batteries</p> <ul style="list-style-type: none"> • Zinc-Bromine • Vanadium • Other Variants <p>Saltwater Flow Battery</p> <ul style="list-style-type: none"> • No Membrane • Charging and Discharging • Unique Applications -Desalination -Thermal Storage -Graphene Production -Novel Design <p>Lunch Break</p> <p>Market and Applications</p> <ul style="list-style-type: none"> • Tax Credits in USA (if no participants from USA, then will skip) • Carbon Credits • Limitations <p>Questions and Answers</p> <p>Note: Meeting notes available via PDF download after Conference. Minimum 20 participants needed for conference.</p>	<p>Manufacturing Day</p> <p>Welcome and Introduction</p> <p>Manufacturing and Fabrication Considerations</p> <ul style="list-style-type: none"> • Tank and Shipping Containers • Liquid Electrolyte -Pumps <p>Electrolyzers</p> <ul style="list-style-type: none"> • No Membrane • Flow Control • Liquid Electrolyte Considerations • Anode Fabrication • Cathode Fabrication -Cathode Materials -Electrode Formats <p>Lunch Break</p> <p>Electronics and Battery Management System (by a electrical engineer)</p> <ul style="list-style-type: none"> • Charge Controller • Limitations • Inverter • Stacks <p>Software Considerations</p> <ul style="list-style-type: none"> • Battery Management • Novel Applications Management • Grid Based Arbitrage and Applications Priority • NVIDIA AI API Integration <p>Questions and Answers</p> <p>End of Conference</p>
<p>One-day: The purpose of the one-day conference is to introduce the saltwater battery for grid-scale energy storage, and the challenges and benefits of commercialization.</p> <p>Two-day: The purpose of the second day is focussed for manufacturers and addressing the challenges in bringing this unique technology to market, including tax credits, carbon credits, and a more in-depth understanding of the manufacturing and assembly process.</p>	
<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;"> <p><small>Saltwater Battery Conference</small> <small>Zurich Switzerland</small></p> </div> <div style="text-align: right;"> <p><small>Thursday April 25 and Friday April 26</small> <small>(Registration Closes April 19)</small></p>  </div> </div>	

Saltwater Flow Battery Conference Zurich Switzerland



Salgenx S3000 Salt Water Battery Energy System

The first day is dedicated to introducing the saltwater battery's unique attributes for grid-scale energy storage, highlighting its operational mechanism, environmental benefits, and commercial viability. Experts will elucidate on why this technology, in contrast to traditional zinc-bromine or vanadium redox flow batteries, does not require a membrane, thus enhancing its efficiency and application scope. Participants will gain insights into its distinctive applications including desalination, thermal storage, graphene production, and novel design considerations.

Day Two: Navigating the Path to Market for Licensed Manufacturers

Focused on licensed manufacturers, the second day will address the pivotal challenges and strategies in commercializing this promising technology. Discussions will cover critical aspects like tax and carbon credits, with a special emphasis on the manufacturing and assembly processes. The agenda includes a comprehensive look into tank and shipping containers, liquid electrolyte management, electrolyzer components, and advanced electronics for battery management. A significant highlight will be the exploration of software considerations, including NVIDIA AI API integration for optimizing battery management and grid-based applications.

Engaging with the Future of Energy Storage

Apart from the enriching presentations, the conference will provide ample opportunities for networking, direct interactions with experts, and detailed discussions on market applications, limitations, and regulatory landscapes affecting the deployment of saltwater batteries.

This pioneering conference not only aims to shed light on a revolutionary energy storage solution but also to foster a collaborative environment for stakeholders to explore the multifaceted advantages and challenges of bringing saltwater battery technology to the forefront of the energy sector.

About the Event

- Dates: Thursday, April 25, and Friday, April 26
- Location: Zurich, Switzerland
- Registration Deadline: April 19

For more information, including registration details and the full conference schedule, please visit our website.

About [Salgenx](#) and [Infinity Turbine](#) LLC

Salgenx, in strategic collaboration with Infinity Turbine LLC, stands at the cutting edge of transformative solutions, showcasing a commitment to excellence and innovation through grid-scale saltwater battery energy storage, destined to set unparalleled standards in manufacturing

and battery technology.

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