Rivus batteries French Guiana

Who is rivus batteries?
Rivus Batteries secures EUR0.5M from xista science ventures, NAVCAP AB, and EIT InnoEnergy to fast-track the deployment of its metal-free organic battery technology.

What is rivus battery & how does it work?
Rivus uses a molecule extracted from organic materials. Using an organic base material gives Rivus batteries the environmental advantage over other technologies. It has a lower environmental footprint than mining metals such as lithium,cobalt and vanadium.

Will rivus batteries get a capital injection?
The organic flow battery company Rivus Batteries recently secured a EUR525,000 infusion of capital. According to InnoEnergy PhD School alumnus,CEO and founder Dr. Cedrik Wiberg,the capital injection will help the company to scale-up its electrolyte production and install their first full scale pilot batteries with customers.

What is rivus energy storage technology?
Rivus energy storage technology can optimise energy usage while minimising environmental harm. Battery storage systems are emerging as one of the key solutions to effectively integrate high shares of solar and wind renewables in power systems worldwide

How did rivus become a greener battery alternative?
In 2016 Dr. Cedrik Wiberg decided to pursue a PhD to identify a greener battery alternative. Supported by academia,pivotal organic molecule testingled to the discovery of Rivus' core technology and first patent filing in 2019. Commercialization began in early 2023 as Dr. Wiberg left academia and Andreas Kölling joined as COO.

What are rivus organic redox flow batteries?
Rivus organic redox flow batteries are special as they offer all three qualities. The main difference between Rivus batteries and standard sources for battery materials is that our batteries have a lower environmental impact. Lithium-ion batteries require the mining and extraction of toxic metals,such as cobalt and lithium.

Voltalia is the sole winner of the fifth period of the CRE 4 tender for non-interconnected areas for ground-based solar power plants in French Guiana. The project, called "Parc Sable Blanc", combines a five-megawatt photovoltaic power plant with a lithium-ion battery storage facility with a capacity of 5 megawatts and of 9.3 megawatt-hours.

Rivus is a climate tech start-up on a mission to enable ultra low-cost and eco-friendly grid-scale energy storage. Led by a team of dedicated chemists, battery experts and entrepreneurs our aim is to fundamentally

transform how energy is stored, supporting the global energy transition away from fossil fuels.

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Rivus Batteries operates in the increasingly important field of energy storage, focusing specifically on stationary applications with Organic Flow Batteries. Its approach aims to offer a more sustainable and cost-effective alternative to traditional energy storage technologies.

Rivus Batteries" Board of Directors 2024 October: o Dr. Cedrik Wiberg - Founder & CEO of Rivus Batteries, PhD Chemistry - Since 2019 o Lars Ulin - CEO & Owner of NAVCAP, MBA - Since 2023 o Dr. Alexander Schwartz - Partner at xista science ventures, PhD Organic Chemistry - Since 2023 ...

The brand new 10MW/11.3MWh battery energy storage system (BESS) is shipped today from Entech smart energies facilities to its sunny French Guiana final destination. Entech smart energies is extremely proud to have been selected by Voltalia to deliver what is known today as the French largest battery storage system.

Flow batteries have great potential to advance the clean energy transition. A key advantage they have over lithium-ion technologies is that they can store electricity for much longer periods of time. The standard running time of lithium-ion ...

Rivus Batteries | 2 096 följare på LinkedIn. Organic Flow Batteries. Low-cost. Safe. Metal-free. | Rivus Batteries offers truly green batteries for stationary energy storage applications through organic flow batteries. Rivus technology is already proven on a small scale, currently looking for pilot-customers interested in testing and pioneering sustainable stationary energy storage ...

Rivus Batteries can help decrease sudden loads and reduce fuse contract costs. Reduced grid dependency. Keep your production operating at high availability, regardless of the state of the grid. Be among the first. To deploy Rivus battery systems in your industry starting in 2025. Sign up now for a consultation with one of our team members

Large-scale batteries are urgently needed to store renewable energy - it"s not always windy and sunny when we need it to be. Rivus" vision is to add a critical element to the global energy transition away from fossil fuels to predominantly renewable energy.

Operator of a green technology company intended to develop novel organic electrolytes for flow batteries. The company"s products consist of only abundantly available elements, redox-active molecules that can be synthesized on a large scale and with a small environmental footprint compared to conventional technologies, enabling cost-effective ...

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Rivus offers longer overall life than lithium-ion batteries. The corrosion of lithium-ion battery anodes can cause operational interruptions and expensive repairs. Even when they reach end of life or maintenance is required, Rivus batteries allow for graceful, seamless repairs without major stops in operation.

The advantages of Rivus" solution are manifold: Rivus" batteries are non-flammable and non-corrosive, thereby they are very safe. The raw material will never run out, and the solution becomes cheaper and greener the more the company scales up - in contrast to today"s batteries that rely on scarce metals that need to be mined and imported.

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