

What are rivus batteries?

Rivus batteries are part of the solution to achieve a more flexible energy system with fewer emissions and a reliable supply of power. Low environmental footprint compared to metal-based batteries

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

Why do we need rivus batteries?

Rivus' ambition is to keep our supply chain on a national level,our batteries can be produced in most countries lowering our environmental footprint. This means we have a more secure supply chain and our batteries are less vulnerable to resource scarcity.

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.

Do rivus batteries require metals to be mined?

Rivus batteries,unlike other leading technologies on the market,require nometals to be mined. Lithium-ion and Vanadium redox flow batteries have a high environmental price as the extraction process is bad for the environment.



Rivus is truly honored to win the E-Prize award in the Renewable Energy category! Electrification of high-temperature processes, metal-free batteries, and more efficient transport were the focus of this year's winners. Scalability stood out as a key theme for the jury, who had the tough job of selecting from nine worthy finalists.



Organiska flodesbatterier - test av ny teknik Under 2024 installerar Rivus Batteries och Bengt Dahlgren Sveriges forsta organiska flodesbatteri i pilotskala pa HSB Living Lab. Denna nya typ av batteriteknik anvands organiska molekyler a?? av amnena kol, vate, kvave, och syre a?? som energibarare istallet for kritiska metaller.



Rivus Batteries a?? Grid scale energy storage by organic flow batteries. Need Rivus addresses the urgent need for cost-effective energy storage, targeting the growing >a?!50B market for stationary battery storage by providing green and ultra-low cost organic flow batteries.



Rivus organiska flodesbatterier ar tvartom: Starka, grona och billiga. Konventionella flodesbatterier bygger pa tungmetallen vanadin, som primart utvinns i Ryssland, Kina och Sydafrika. Den processen ar forodande for miljon. Rivus losning kraver inga kritiska metaller, och tillverkas fran lattillgangliga organiska material.



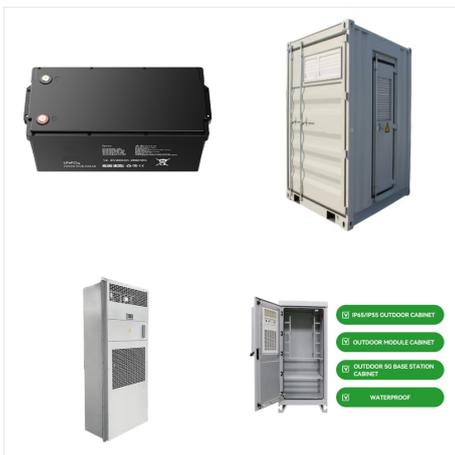
Rivus offers longer overall life than lithium-ion batteries. The corrosion of lithium-ion battery anodes can cause operational interruptions and expensive repairs. Even when they reach end of life or maintenance is required, Rivus batteries allow for graceful, seamless repairs without major stops in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



Rivus Batteries is a Swedish cleantech start-up and a spin-off from the Chalmers University of Technology, developing organic electrolytes for flow batteries. Their mission is to help guide the development of renewable energy in the most environmentally friendly way possible. They will contribute to DCC with materials and knowledge of organic flow batteries and participate in the a?]



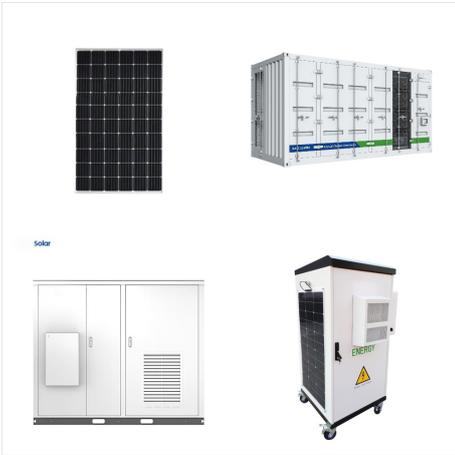
Rivus Batteries can help decrease sudden loads and reduce fuse contract costs. Reduced grid dependency. Keep your production operating at high availability, regardless of the state of the grid. Be among the first. To deploy Rivus battery systems in your industry starting in 2025. Sign up now for a consultation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



Rivus Batteries secures a \$10.5M from xista science ventures, NAVCAP AB, and EIT InnoEnergy to fast-track the deployment of its metal-free organic battery technology. The Swedish start-up aims to halve the cost and climate footprint of stationary energy storage by replacing heavy metal-based electrolytes with organic electrolytes for large-scale



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.



Rivus Batteries is a company that operates in this space, focusing on Organic Flow Batteries (OFBs) as a potential solution for energy storage challenges. The Story Rivus Batteries is committed to creating a brighter and more sustainable energy future. Their journey is deeply rooted in the belief that energy storage solutions should be robust



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 a?



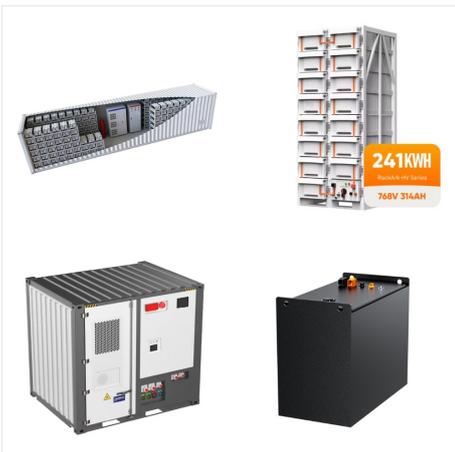
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Rivus Batteries is pioneering sustainable energy storage with its innovative, metal-free flow battery technology utilizing water-based organic electrolytes. The company focuses on reducing costs and environmental impact, offering a a?]



Rivus expects to reveal its first full-scale prototype in the second half of 2024 and strives to achieve a wider market release during 2025. Press Contact. Andreas Kolling, Chief Operating Officer +4676 301 29 16, andreas@rivus-batteries . About Rivus Batteries. Rivus develops aqueous organic electrolytes for flow batteries.



Rivus Batteries raised a?!525k from xista science ventures, NAVCAP AB, and EIT InnoEnergy. Cleantech Energy Manufacturing. Investments. 10 October 2023. Share: Original story . Interested in more dealflow and deeper data sets from Europe? Please consider joining Nordic 9! Rivus Batteries (company)



Rivus is a start-up that is the industrial outlet of the aqueous organic flow battery technology developed at the Chalmers University of Technology in Sweden. Our mission is to help guide the renewable energy development in the most environmentally friendly way possible.



Svenska startup-foretaget Rivus Batteries tar in sex miljoner kronor fran xista science ventures, NAVCAP AB och EIT InnoEnergy for att paskynda utvecklingen av metallfria batterier. Foretagets mal ar att halvera kostnaden och klimatavtrycket for storskalig energilagring genom att ersatta tungmetallbaserade elektrolyter med organiska alternativ i nya flodesbatterier.



Batterispecialist med passion for hallbara tekniska losningar . Jag har alltid haft ett driv mot hallbara tekniska losningar. Under de senaste 7 aren har jag byggt upp min expertis inom batteriutveckling, bade inom akademi och industri, med fokus pa materialkarakterisering och elektrokemisk karakterisering inom akademien och pa kravsattning, kommunikation och a?]



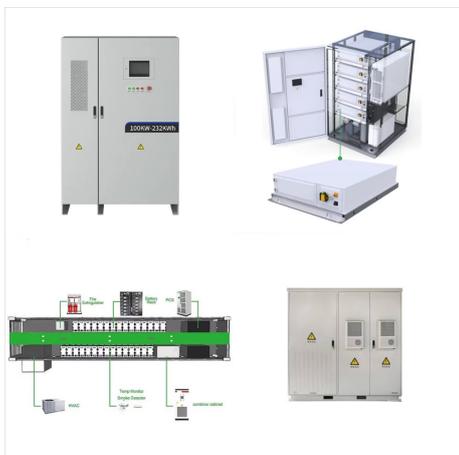
Not only will Rivus batteries secure an ROI in financial terms but produce net benefits to society and the environment. Our clean technology is a climate-friendly alternative to more polluting technologies that require metals to be mined abroad and exported. It is Rivus' ambition to build our batteries nationally, reducing carbon emissions



Rivus Batteries planerar aven att installera en storre anlaggning pa 40-100 kWh hos ett fastighetsbolag i Goteborg darefter. Kalla: HSB. LAS MER:Northvolts resa fran framtidshopp till kris.



Rivus Batteries | 2 096 foljare pa 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 a?|



Swedish startup Rivus Batteries secures a \$10.5M from Xista Science Ventures, NAVCAP AB, and EIT InnoEnergy to fast-track the deployment of its metal-free battery technology. The company aims to halve the cost and a?



Rivus Batteries plockar in två nya investerare. Xista Science Ventures och Navcap är med på en runda när bolaget tar in 6 miljoner kronor. Även befintliga ägaren EIT Innoenergy var med på ett horn. Bolaget håller på att utveckla en batteriteknologi utan att använda sig av några metaller.