

Press Release

VoltStorage, the world's leading technology company for stationary storage systems based on the ecological redox flow technology, will be presenting its new VDIUM C50 commercial storage system at the global ees Europe 2023 trade fair in Munich.

voltstorage

Munich, 12th June 2023

VoltStorage, the world's leading technology company for stationary storage batteries, will present the new „VoltStorage VDIUM C50“ – a newly developed storage solution for commercial applications based on particularly ecological vanadium redox flow technology – at the world's leading trade fair „ees Europe“ in Munich from 14 to 16 June 2023. The Munich-based company, whose international research and development team is also the first company worldwide to work on the near-term market launch of the revolutionary iron-salt battery (Iron-Salt-Technology), will make another decisive contribution to a climate-friendly future with its new storage solution „VoltStorage VDIUM C50“.

„Our new VoltStorage VDIUM C50 storage solution is eco-friendly, safe and particularly durable and sets a new standard in the storage battery segment,” promises VoltStorage CEO Jakob Bitner. It is „highest quality made in Germany, because the new VoltStorage VDIUM C50 is not only developed in Munich, but also produced here”. Sales will take place via VoltStorage’s certified specialist partners, and pre-orders via specialist partners are now possible.

Technologically, the VDIUM C50 is based on the experience of its forerunner model. The „brain” of the storage unit is the further developed VoltStorage Control Unit in combination with the third generation of a redox flow-specific and patented sensor system for determining the state of charge. „We have once again managed to improve our Operating Strategy with the new components and thus laid the foundation for high reliability and long battery life,” emphasises VoltStorage CTO Michael Peither.

The new „VoltStorage VDIUM C50” based on the particularly ecological vanadium redox flow technology is aimed as a stationary storage solution especially at customers from industry, agriculture and commercial sectors and has a storage capacity of 50 kWh as well as a maximum charging power of 10 kW – the complete AC system is supplied as standard with an integrated battery inverter and a perfected energy management system. The storage system can be expanded as required and individually adapted to the respective requirements for generation and consumption.

The redox flow technology used by VoltStorage offers several advantages over conventional storage batteries:

Benefit 1:

The technology is particularly environmentally friendly because no rare raw materials or even conflict raw materials from crisis or war zones are used for the production of these innovative storage batteries.

Benefit 2:

The Redox Flow technology offers its customers an extremely high standard of security – the storage medium consists largely of water and vanadium and is therefore neither flammable nor combustible.

Benefit 3:

Stationary storage systems based on redox flow technology can be charged and discharged as often as desired without losing storage capacity. This makes redox-flow storage systems one of the longest-lasting storage solutions that the market currently has to offer.

VoltStorage, which will be presenting its new and completely redesigned brand and corporate image for the first time at the „ees Europe 2023“, can also come up with another news concerning the future development of the company. This autumn, the innovation leader for stationary storage batteries will move to an area of around 5,200 square metres in the „Technology Park Munich North“, which will not only be the new headquarters of the Munich-based company, but also its own production facility and additional hall space for research and development. Visit VoltStorage at the „ees Europe 2023“ on its more than 100 square metre stand C2.350 and take a look into the future of energy storage made in Germany.

About VoltStorage:

VoltStorage, currently employing around 70 people, is the world's leading technology company for stationary redox flow batteries, is making a decisive contribution to a climate-friendly future. With its innovative storage systems based on the particularly ecological redox flow technology, electricity from renewable energy sources can be used completely independently of the weather – in a resource-saving, safe and sustainable way. Green energy can thus be used efficiently around the clock.

As a global innovation leader, VoltStorage is developing the revolutionary iron-salt technology in parallel, which is close to market maturity and, due to its special properties, is particularly suitable as a long-duration battery for ensuring permanent base load capability of wind and solar parks. Compared to conventional batteries, however, the iron-salt batteries developed by VoltStorage have another decisive advantage – both raw materials used are also available in Germany in almost unlimited quantities and can thus significantly reduce the previous dependence on China in particular.

VoltStorage – the future of energy storage has already begun.

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