

Eisenstadt, Austria, 13 July 2023 - The world's first operational Organic SolidFlow battery has successfully been delivered. CMBlu Energy, the manufacturer of this secure, sustainable and affordable battery storage ...

Dr. Peter Geigle, CEO of CMBlu Energy (left) and Klemens Haselsteiner, CEO of Strabag. Image: CMBlu. Germany-headquartered organic flow battery company CMBlu has secured EUR100 million (US\$107 million) from technology and construction firm Strabag. Alongside the equity investment, Strabag and CMBlu have also signed a preferred partnership ...

The companies said that CMBlu's flow battery technology could help make Burgenland, the easternmost region of the country, energy self-sufficient and climate neutral by 2030. The utility's CEO Stephan Sharma said the region needs 100MW/300MWh of energy storage to integrate its renewable resource potential, and that CMBlu was one partner ...

Europe-based organic flow battery company CMBlu has won its second US project, a 5MW, 10-hour duration pilot system with Arizona utility Salt River Project (SRP). SRP selected CMBlu for the project after issuing a request for long-duration storage project proposals. The Alzenau, Germany-based firm will build, own and operate the project for SRP ...

Unlike traditional lithium-ion batteries, CMBlu's flow battery boasts a considerably longer lifespan, lasting 2-3 times longer per cycle than a typical 4-hour lithium-ion array. The technology is currently undergoing real-world testing at the Smart Energy Plaza in Chicago, highlighting its potential to enhance resilient microgrids and make fast ...

Lemont, Illinois; Idaho Falls, Idaho; Petaluma, California, December 4, 2023 - The U.S. Department of Energy's Argonne National Laboratory (Argonne), along with Idaho National Laboratory (INL), was chosen by the agency for a demonstration project to validate an innovative long-duration energy storage system developed by battery manufacturer CMBlu ...

Projects using novel, non-lithium battery technology have been progressed by organic flow battery firm CMBlu, liquid metal battery firm Ambri, and the sodium-sulfur (NAS) battery division of NGK Insulators. CMBlu delivers its first operational project . CMBlu Energy has delivered the first operational system using its Organic SolidFlow battery ...

CMBlu Energy General Information Description. Developer of organic flow battery technology dedicated to disrupting bulk energy storage. The company's batteries imitate carbon-based molecules from the citric acid cycle in human bodies to produce high-performance energy storage molecules that are entirely organic, enabling electric mobility, renewable energy and other ...

CMBlu Energy, an organic solid flow battery technology developer, secured EUR100 million (~\$105 million) equity investment from globally operating technology and construction group STRABAG SE. The funding will be used to scale up the company's battery technology production. CMBlu Energy, together with collaboration partners, is currently working on ...

Im Vergleich zu den herkömmlichen Batterien „gibt es bei Organic Solid-Flow-Batterien keine Abhängigkeiten von seltenen oder konfliktbehafteten Rohstoffen und Lieferketten“, erläuterte Peter Geigle, der CEO von CMBlu. „Die Materialien der Organic Solid-Flow-Batterien sind weltweit in praktisch unbegrenztem Umfang verfügbar.“

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ALZENAU, GERMANY, 21 March 2024 - Mercedes-Benz Group AG announced it has ordered an 11MWh CMBlu Energy SolidFlow battery for use in the car maker's Rastatt plant in Germany. Mercedes-Benz Group AG is gradually growing the share of renewable energy used to supply its production network - e.g. by expanding photovoltaic systems.

Statkraft partners with salt water flow battery firm Aquabattery at COP28 . Norwegian state-owned energy firm Statkraft has partnered with Aquabattery, which has developed an LDES solution using salt and water-based flow battery technology. Aquabattery's technology is designed for discharge durations of 6 hours or more.

The 5 megawatt, 10 hour capacity CMBlu organic solid flow battery is one of many developments hoping to provide alternate energy storage. The innovations behind this project that make it stand out from lithium-ion include: Constructed from safe, abundant, low-cost and recyclable materials.

Produziert in unserem neuen Battery-Production-Center in Alzenau. Jetzt kommt die Energiewende voran. ... 2011 beginnt ein kleines Team um Gründer Dr. Peter Geigle die Forschung an der Organic-Flow-Technologie. ... Die Organic-SolidFlow-Batterie von CMBlu entstand aus Dr. Peter Geigles Leidenschaft für Biochemie und neue Batterietechnologie ...

CMBlu Energy started as a research-driven project in 2011. Since then, we have continued to expand our broad IP portfolio and energy storage expertise. Today, we are the world's leading company in the field of organic solid-flow batteries ...

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