

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.

From pv magazine Global. While flow batteries have been around for a while, they have failed to gain traction and excite investors. However, one of the most promising startups in the field, Germany's CMBlu Energy, recently pulled in more than \$100 million in investments and is gradually expanding its market presence. CMBlu's technology recently caught the ...

Many flow batteries -- like vanadium or iron flow batteries -- are metal-based, but CMBlu's technology uses organic, carbon-based electrolyte materials, Ben Kaun, the company's president, said.

ALZENAUE, 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.

CMBlu Energy's Organic Redox Flow batteries are currently in a prototype stage. The Organic Flow Battery System. The idea for redox flow batteries with organic electrolytes derived from lignin ("Organic Flow") was conceptualized in 2011, and since 2014, CMBlu has undertaken intensive research and development of the technology.

Construction has started on the first major solar-plus-storage project in the Dominican Republic, which features a 24.8MW/99MWh battery energy storage system (BESS). The Comisi#243;n Nacional De Energia (CNE) of the Dominican Republic announced the start of work on the Dominicana Azul solar project shortly in late December (22 December).

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 ...

San Diego Gas & Electric is installing a flow battery in its Cameron Corners microgrid, with a goal of reducing wildfire risks and the impact of public safety power shutoffs during extreme weather conditions. The ...

Uniper SE, an energy company based in D#252;sseldorf, Germany, and a subsidiary of Fortum Corp., has



Dominican Republic cmblu flow battery

announced its entry into a collaboration with CMBlu Energy AG, a specialist in Organic Solid-Flow Battery (OSFB) technology. Uniper and CMBlu aim to provide the world with more sustainable power to facilitate the energy transition and combat the climate crisis.

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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 ...

Alzenau, February 23, 2023 - The Bavarian State Minister of Economic Affairs, Regional Development and Energy, Hubert Aiwanger visited CMBlu's state-of-the-art factory for non-metal-based batteries in Alzenau. The company develops and produces its SolidFlow battery storage systems in Lower Franconia since 2014. The technology stores electricity in organic plastic ...

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 ...

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 founder Dr Peter Geigle claimed the CMBlu flow battery tech "relies on natural and practically infinitely available resources," thus preventing new dependencies on raw materials that he said metal-based batteries experience. The flow battery supply chain is also decoupled from the electric vehicle (EV) supply chain, which is another ...

Founded in 2014 by prominent biotech entrepreneur Peter Geigle and a group of leading German energy and automotive executives, CMBlu aims to reduce the costs of energy storage using a proprietary ...

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