



# Brazil cmlu battery

Who is cmlu energy?

CMBlu Energy is the first company to develop an Organic SolidFlow battery that combines the advantages of two technologies - redox flow batteries and solid state batteries: power and capacity are independently scalable and energy density is high.

What's happening at cmlu Energy AG?

Technology breakthroughs, awards, company updates - there is a lot happening at CMBlu Energy AG. Watch this space to stay up to date with the latest developments. Our Organic SolidFlow battery is ready to power the renewable energy transition. Discover our green battery technology.

Are cmlu batteries toxic?

And CMBlu batteries' nonmetallic chemistry means that if one does catch fire, the result won't be as toxic as lithium-ion battery combustion, he added. Flow batteries' stability was a key selling point for Arizona's Salt River Project, SRP Manager of Innovation and Development Chico Hunter said.

Why should you choose cmlu's organic solidflow battery?

For numerous applications, the flammability of existing battery systems is another major problem. CMBlu's Organic SolidFlow battery is different - and it is a first of its kind to be commercialized. Our technology is based on fully recyclable organic materials that are available all over the world.

Where does cmlu work?

It has active projects with WEC Energy Group in Wisconsin, Salt River Project in Arizona, and several sites in Europe, including Austrian energy supplier Burgerland Energie's 300 MWh project. CMBlu was among the winners of the 2018 pv magazine Annual Award for its organic flow battery tech.

Why are cmlu batteries so popular?

The lack of metals in CMBlu's batteries leads to another key advantage: a less complicated, more predictable supply chain that's easier to onshore.

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CMBlu's two U.S. utility pilots aim to utilize its flow batteries in different ways, underscoring the technology's broader potential to support a lower-carbon electricity system.

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.



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CMBlu Energy AG said it has received an order from Mercedes Benz to provide its SolidFlow battery for the carmaker's plant in Rastatt, Germany. The 11 MWh installation, planned for the second quarter of 2025, will be paired with the facility's existing solar array.

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 ...

Using organic electrolytes makes our redox flow batteries into a more efficient, long-lasting and sustainable electricity storage technology. Besides innovative electrolytes, our Organic SolidFlow batteries also feature a uniquely scalable design. The result: a high-performance Organic SolidFlow battery that's built for bulk storage applications.

CMBlu's Organic SolidFlow battery module is being designed to enable scalability. This photo shows how the modules can be stacked to increase the system-level energy density. Each module has a targeted footprint of ...

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Over the course of the project, Argonne and Idaho National Laboratory will deploy and evaluate CMBlu Energy's Organic SolidFlow battery technology with the goal to provide insights for ...

CMBlu's Organic SolidFlow battery module is being designed to enable scalability. This photo shows how the modules can be stacked to increase the system-level energy density. Each module has a targeted footprint of 21.5-26.9 ft<sup>2</sup> (2-2.5 m<sup>2</sup>), depending on duration, and a 50 MW, 250 MWh system has a projected footprint of 33,906 ft<sup>2</sup> (3150 m<sup>2</sup> ...

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