# Press Release

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5 April 2023

## TÜV SÜD conducts technical due diligence for sustainable energy storage solutions made by CMBlu

**Munich / Alzenau. CMBlu Energy AG, headquartered in Alzenau, Germany, develops sustainable electrochemical energy storage solutions. Within the scope of a technical due diligence (TDD) survey, TÜV SÜD assessed the readiness level of the technology, the business plan and the production expansion slated for Europe and the USA.**

A technical due diligence (TDD) establishes a solid foundation for important investment decisions, which is particularly significant for new technologies and young companies. For this reason, CMBlu commissioned TÜV SÜD to conduct a comprehensive TDD survey. The Organic SolidFlow batteries developed by the company offer a green, sustainable and cost-effective energy storage solution. The TDD was aimed at assessing the technical feasibility, the patent situation, the business plan and the intended expansion of production.

“One of the key elements of the TDD was to determine the technical readiness level”, says Gerhard Klein, the project lead at TÜV SÜD Industrie Service GmbH. “This involved assessment of the key battery components themselves, but also of the sourcing of the required materials and the production capacities at the planned battery factories.” Over the coming years, the company plans to massively expand production in Europe and, particularly, in the USA. In addition, the TÜV SÜD experts also reviewed the key performance indicators submitted by CMBlu, including OPEX and CAPEX.

The TDD survey arrives at the result that CMBlu’s development of the Organic SolidFlow battery has attained a high technical readiness level (TRL). The overall system reaches TRL 7 on the 9-level TRL

scale according to ISO 16290, while the electrochemical system reached TRL 8 based on the complete specification and qualification.

The performance and reliability of the innovative technology were verified in extensive tests. “The battery uses non-flammable, non-toxic liquid and solid storage materials, which significantly reduce safety risks”, explains Gerhard Klein. The required storage materials can further be sourced relatively cost-effectively from recyclable organic materials. The third-party assessment by TÜV SÜD enables CMBlu to demonstrate that their SolidFlow batteries offer an efficient and stable energy-storage solution and are a sustainable alternative to traditional battery systems.

With respect to the planned expansion of production, TÜV SÜD’s due diligence report concludes that CMBlu is able to scale the production processes accordingly and ensure a continuous supply of the required materials. Drawing on its strong technical team, which has in-depth familiarity with the production processes and the necessary quality controls, the company can also ensure high-quality and consistent production.

**Technical Due Diligence by TÜV SÜD**

Technical Due Diligence by TÜV SÜD covers the areas of assets, business plan, management and regulatory requirements as well as health, safety & environment (HSE). By conducting feasibility studies, TÜV SÜD experts further point out the risks and opportunities associated with the new technologies or innovative solutions. In addition, the relevant technical readiness level (TRL) can be determined at various stages of a project.

**Note for editorial staff:** The press release and the photo (@ CMBlu Energy AG) can also be found on the Internet at www.tuvsud.com/newsroom.

**Media Relations**


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| Dr. Thomas Oberst<br>TÜV SÜD AG<br>Corporate Communications<br>Westendstr. 199, 80686 Munich | Tel. +49 (0) 89 / 57 91 – 23 72<br>Fax +49 (0) 89 / 57 91 – 22 69<br>Email thomas.oberst@tuvsud.com<br>Internet www.tuvsud.com |


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