CellCube and be.storaged co-operate for long-duration energy storage / delivering joint microgrid solution for “Electric City”

Technology leader for ‘Vanadium Redox Flow Batteries’ Enerox GmbH (CellCube) and EWE AG subsidiary be.storaged GmbH (be.storaged), Germany based leader in energy storage operation and energy management, are co-operating in the long-duration energy storage space to cover increasing market demand.

Wiener Neudorf, Austria / Oldenburg, Germany, October 6th, 2021 – Two proven experts joined forces to address the increasing demand in decentral flexibility behind the meter to both integrate more renewable energy like solar roof top and cover local peak demand coming from EV chargers. This comes as a result from the highly future-oriented project ‚Electric City’ with Rhine Main University of Applied Sciences (in Ruesselsheim, Germany) initiative, in which be.storaged GmbH has won a competitive public tender as general contractor for all engineering and energy management services incl. PV integration and providing an energy storage system .

Be.storaged, the expert in engineering customized energy management solutions and operating BESS of different technologies, brought on board Enerox GmbH, an Austrian based global tech leader for sustainable and save, long-duration storage of renewable energy. The company’s ‘CellCube’ battery is run by a vanadium electrolyte-based technology ‘VRFB’ which is the only flow battery technology available to provide industrial grade and proven long-term energy storage services of more than 10 years. For the ‘Electric City’ project be.storaged and CellCube have chosen the CellCube FB 200-400, delivering 200kW rated AC power and 400 kWh capacity, to serve best the requirements of the Microgrid to integrate PV and local demand incl. EV chargers. It comes alongside be.storaged agent-based Energy Management Software and customer specific solutions complying with all given environmental requirements incl. reduced noise emissions. In this specific project the Rhine Main University of Applied Sciences is providing scientific support for the ‘Electric City’ project. It is involved in the project with two departments, Engineering and Architecture and Civil Engineering.

“We are glad about working on a groundbreaking microgrid project jointly with the local expert be.storaged and look forward to the system’s final installation and operation start, before the end of 2021. Our joint microgrid solution for Ruesselsheim serves as a reliable EV charging backbone and is one further example of the importance of flow batteries enabling a more sustainable and qualitative energy transition”, says Alexander Schoenfeldt, CEO of Enerox GmbH, owner of the brand ‘CellCube’.

“For be.storaged the cooperation with CellCube is the ideal complement to our product portfolio. It is clear that the challenges ahead cannot be solved by one storage technology alone. It will be crucial to be able to offer our customers as broad a portfolio of solutions as possible and the corresponding practical experience with the respective technology. Therefore, we are very happy to enter into this close cooperation", emphasizes Dr. Magnus Pielke, Co-CEO of be.storaged. “In the coming months we want to bring our innovative energy management system into this cooperation as an interface between the Enerox product range and the industry use cases, in order to be able to efficiently integrate the use of the CellCube systems in customer plants and to

optimize them across the board in daily use", adds Hendrik Brockmeyer Co-CEO of be.storaged GmbH.

For the upcoming massive demand in Germany to achieve Green-House-Gas emission targets, CellCube and be.storaged will jointly go-to-market and align engineering and deployment services, specifically for use cases in which energy storage is required to offer up to 16 hours of storage and which can be operated more than 15 years without any performance degradation.

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About CellCube – Enerox GmbH
Under its trademark 'CellCube' the Austrian based Enerox GmbH develops, manufactures and distributes vanadium redox flow batteries. 'VRFB's are sustainable, long-duration energy storage systems, improving and securing the consumption of energy from renewable sources. Enerox is a developing pioneer and the global technology and industry leader in its field of operation. The bankable VRFB systems suite various microgrid applications alongside four focussed business segments: renewable energy storage for industrial customers, commercial and private deployment, green energy storage for remote microgrids and island solutions as well as long-term back-up systems for green and critical infrastructure facilities. CellCube systems are currently operating in over 130 sites on the planet. ***www.cellcube.com***

About be.storaged
be.storaged operates as EPC and combines machine learning, edge computing and state-of-the-art battery technology to create effective energy storage systems. By massively reducing energy costs, we enable companies from the fields of industry, trade/commerce and e-mobility to sustainably secure their competitiveness - and possibly even expand it. The efficiency of our solutions is based on three things: deep data analyses, state-of-the-art battery technologies and AI-supported energy management software. ***www.be-storaged.com***