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prolux

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PROLUX SOLUTIONS BATTERY STORAGE

FAREWELL AND BRIEF EXPLANATION WHY

24.06.2025

Johannes Häntzschel

Head of Business Unit Battery Storage

Farewell and brief explanation why

Why we leave Redox Flow technology area and move to LFP technology

- we will stay in the battery storage industry but in our view, economic competitiveness has become increasingly difficult in recent years, particularly in the residential and light commercial markets
 - especially when you see the massive price reduction in the lithium sector and the fact that CATL and BYD are investing heavily in sodium technology
 - and with our new parent company we have access to a proven LFP product portfolio and would like to focus on this
- but we continue to support Redox Flow technology and the advantages it offers from a technological point of view → in other words, we believe that it was the right way to try and we remain open to new alternative technology approaches
- for now, however, we would like to say goodbye to the Redox Flow environment and thank you for the good and appreciative cooperation in all directions and hope that you will continue to bring Redox Flow forward successfully


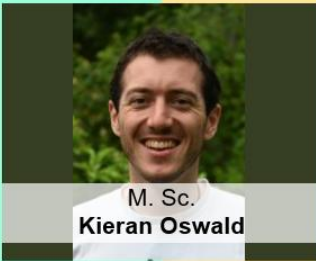

Possibility of using scientific projects

Development projects already started and advanced in the area of stack and OCV development with Munich University of Applied Science

Battery Team @UAS Munich

Cooperation with Prolux

battery monitoring and operation

| | | |
|--|---|--|
|  <p>Prof. Dr.-Ing. Oliver Bohlen</p> |  <p>M. Sc. Kieran Oswald</p> |  <p>M. Sc. Valentina Menne</p> |
| <ul style="list-style-type: none">• UAS Munich• Head of <u>Battery Research Team</u>• Expertise in: electrical energy storage, battery management systems, algorithms, electronics, simulation and control of <u>battery systems</u> | <ul style="list-style-type: none">• UAS Munich and Prolux• <u>VFB Monitoring and Operation</u> (Project <u>lead</u>)• Expertise in: <u>electrolyte degradation sensors</u>, <u>electrolyte state modelling</u>, <u>operation strategies</u>, <u>hydraulic system components</u> | <ul style="list-style-type: none">• Prolux (until 06/26)• VFB Stack Development (Project <u>lead</u>)• Expertise in: <u>flow through electrodes</u>, <u>electrochemical characterization</u>, <u>stack component modification</u> and <u>testing</u>, <u>prototypes</u> and <u>manufacturing methods</u> |

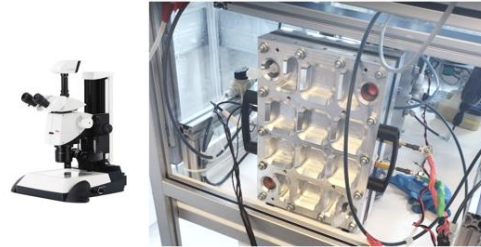
Possibility of using scientific projects

Pre-development options in a modern and well-equipped laboratory environment

Flow Battery Lab @UAS Munich

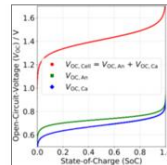
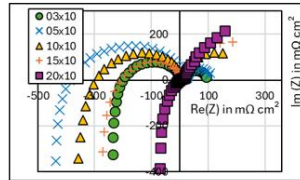
Component testing

- Benchmarking: electrochemical characterization, e.g. EIS
- Features of test bench: up to two single cells of 200 cm² in series, parallel or counter-connected; control of temperature, differential pressure, flow rate, OCV; 2 potentiostat boosters for 30 and 40 A, with up to 8 additional channels
- Other services: potentiostatic titration, treatment and analysis of bipolar plates, chemical durability testing



Electrolyte monitoring

- Detection of electrolyte state: OCV sensor development and test bench with up to 5 cells
- Degradation of electrolyte: test bench with 8 separate channels, cycling and analysis, voltage range $\pm 2,5 V$
- Other services: simulation and prognosis of electrolyte state, parametrization and integration of state-space model



**Thank you very
much and good
bye!**

Prolux Solutions