


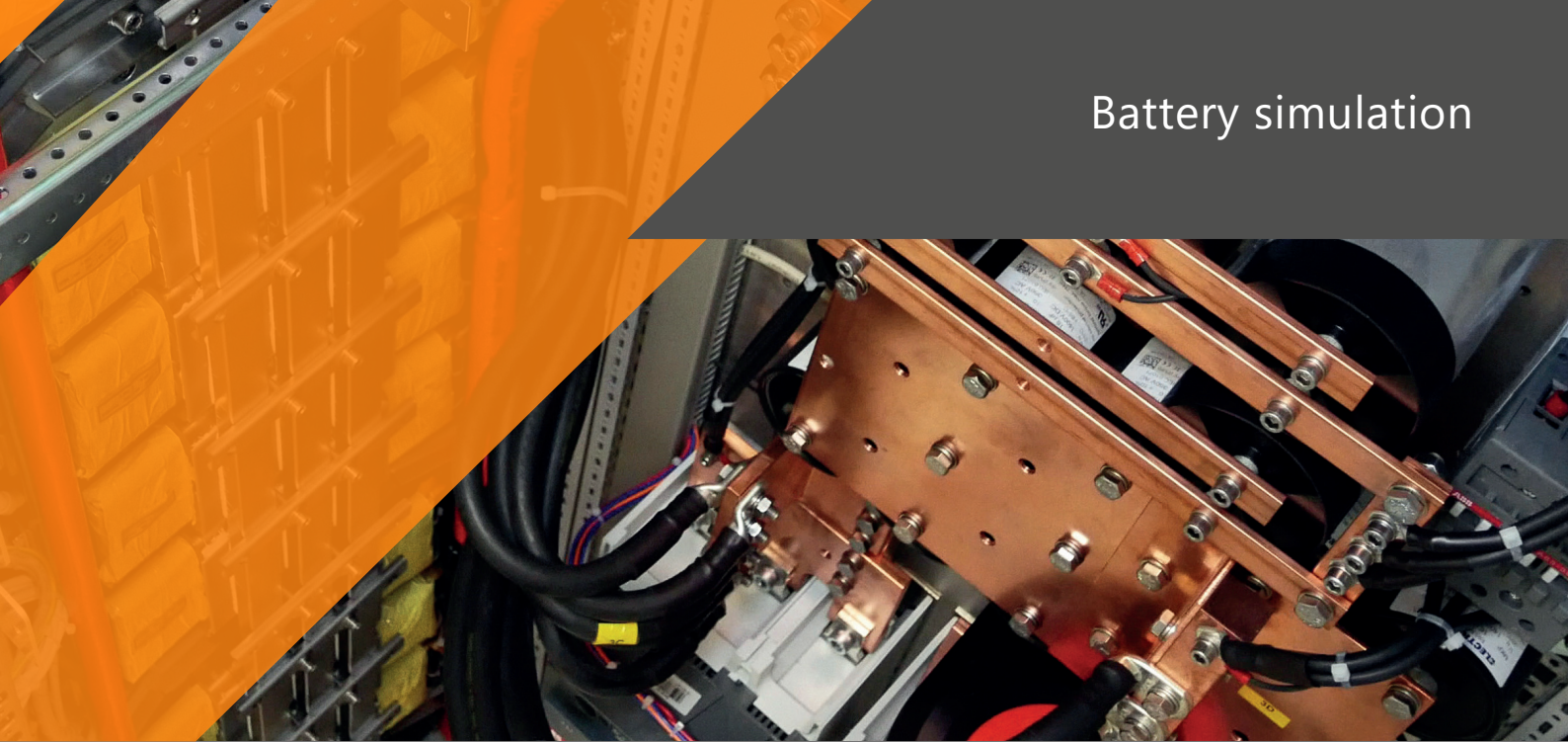




## Battery simulation

### YOUR PARTNER FOR

-  Engineering
-  Simulation
-  Testing



## BATTERY SIMULATION

New hybrid or fully electrified drives require powerful energy storage systems. For testing and simulation of batteries and fuel cells, PTS-Prüftechnik provides the necessary environment and know-how to support the development of batteries as well as fuel cells at any time.

To ensure reproducible conditions, we only use equipment that is characterized by both excellent stability against load surges and high dynamics when adjusting voltage setpoints.

### Our customers also appreciate the following technical features

- Switching frequency 30 kHz
- Output voltage 0 - 1,000 V (source), 25 - 1,000 V (sink)
- Control frequency voltage 4 kHz
- Maximum power above 1,000 kW
- Residual ripple at rated current below 0.5 V
- freely programmable battery models based on MATLAB / Simulink

### Additional technical benefits

- Stability against load surges
- Dynamics when adjusting new voltage setpoints
- Deviation from voltage setpoint max. 3 V

TOGETHER INTO THE CO<sub>2</sub>-NEUTRAL FUTURE!

PTS-Prüftechnik GmbH

☎ +49 7171 / 9080 071

✉ info@pts-prueftechnik.de

Bettringer Straße 42

D - 73550 Waldstetten