

## Short Introduction: BatterieIngenieure GmbH

Aachen, Nov 2018

# BatterieIngenieure supports in the field of primary and secondary storage systems



## Our Services

- Testing
  - Electrical
  - Mechanical
  - Abuse
- Diagnostics & Battery management systems
- Consulting services
- Engineering services
- Quality assurance
- Post mortem analysis



## Technology spectrum electrochemical storages

### Primary batteries



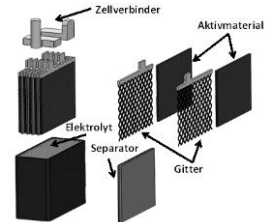
### Lithium-ion batteries

- LFP
- NMC
- LTO
- ...



### Lead acid-batteries

- Flooded
- AGM
- Gel



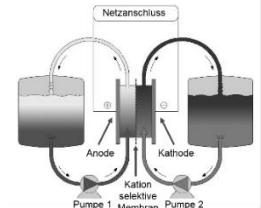
### Nickel-metal-hydride & Nickel-cadmium



### Electric Double Layer Capacitor (EDLC) – SuperCaps



### Redox-flow & High-temperature-battery



## Thermal and mechanical storages

For holistic approach in the context of systematic and economic issues

# Our quality management assures efficient project processes



## ■ Quality control

- Central storage of data on redundant servers
- Automatic interruption of the test in case of failure and automatic notification of occurred error
- Temperature monitoring in the container as well as in each temperature chamber
- Visual monitoring of each container

## ■ Valid certifications:

- **ISO 9001:2015, 14001:2015 and 27001:2013**

Scope of certification:


Testing, development, consulting and production in the field of energy storage

- Dr. Schulte is certified according to **ISO 17024** as technical expert for batteries and its applications

## ■ Certifications in progress

- **TISAX** – Trusted Information Security Assessment Exchange

**Specimen Details \***

Barcode: 

Id: S1 000 001 JS

Name:

Project: MyFirstProject

Creator: Administrator

Data: [Download](#)

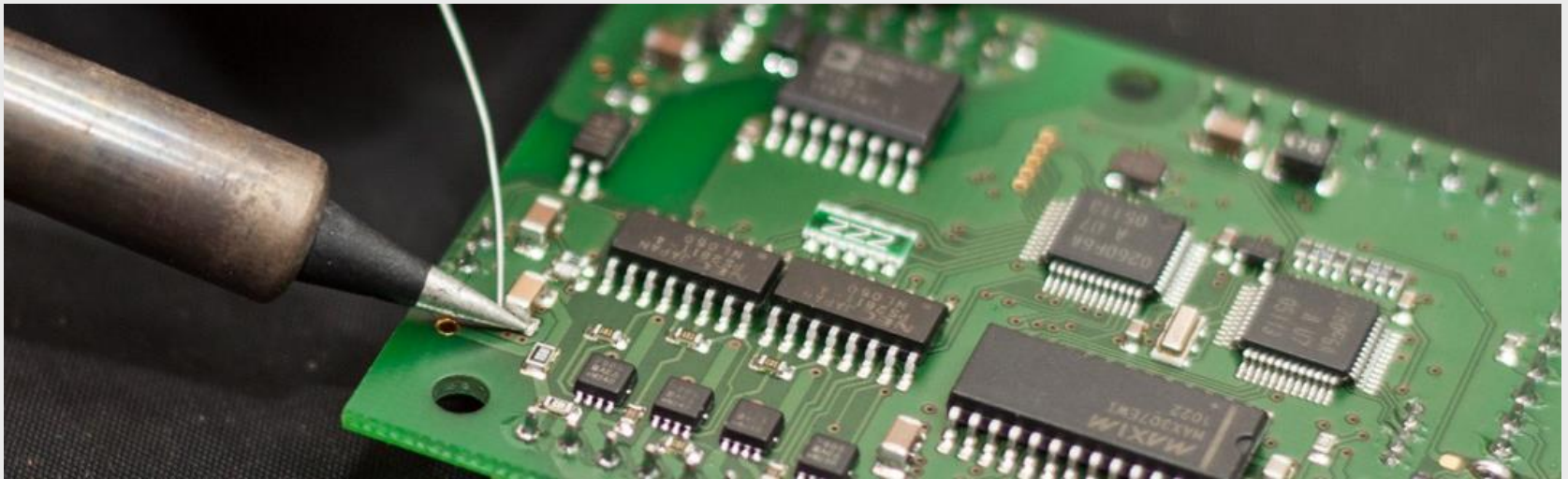
Properties		
Name	Value	Options
Capacity	40	<a href="#">✎</a>
Technology	Lead-Acid	<a href="#">✎</a>

[Add](#)

Connections	
tbd	

[Update](#) [Abort](#)





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