



**TWT GmbH
Science & Innovation**

**Project Idea:
Energy Storage Designer**

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Project Idea Description

Current situation

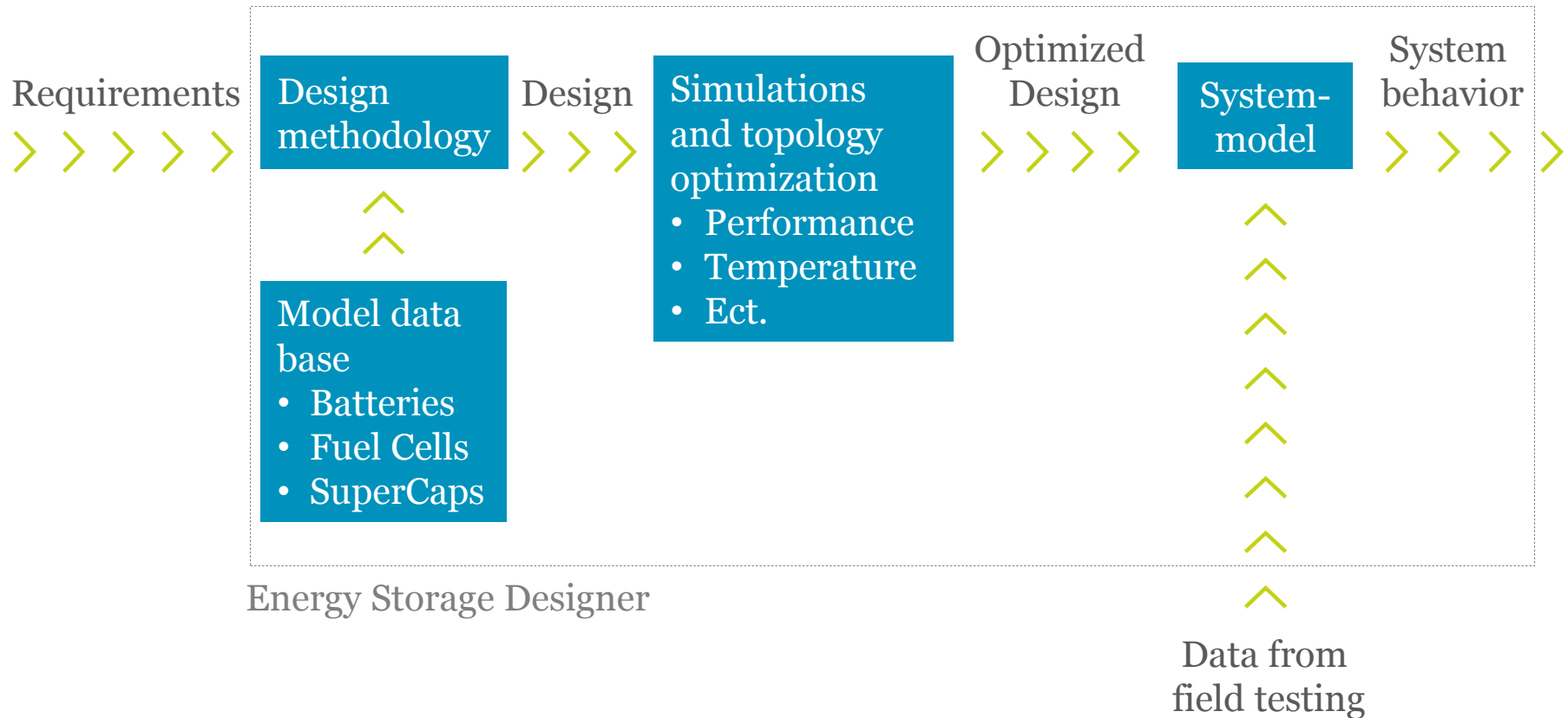
- High demand on lightweight and safe energy storage systems
- Lack of appropriate CAE software for optimization

One software for the following tasks

- Methodical design and model based optimization by considering different technologies (batteries, fuel cells and super-caps)
 - ➔ Elaboration of a system model
- Simulation and assessment of the derived energy storage system
- Adjustment of the system model parameters from field tests
 - ➔ Prediction of further product behavior



Approach





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Partners & Expertise

Partners involved

TWT GmbH

Missing partners / expertise

OEMs for applications and use cases

Academic partners for model parameterization



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