



Damian Cupid
Battery Materials
Development and
Characterization

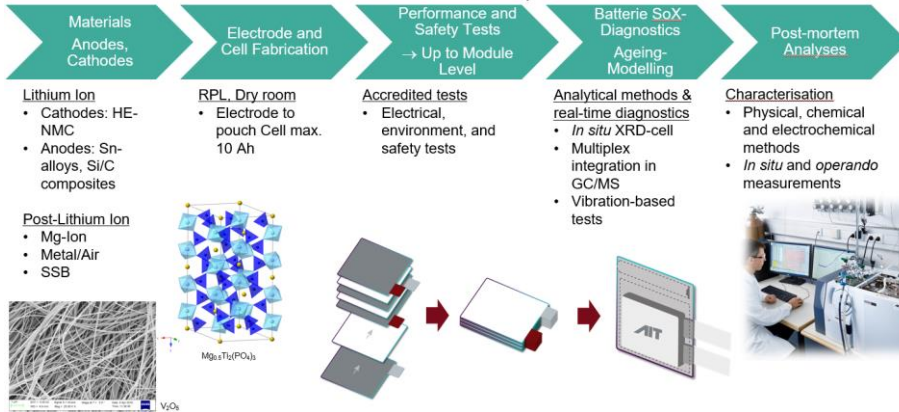


Katja Fröhlich
Sustainable and
Smart Battery
Manufacturing



Marcus Jahn
Solid State Batteries

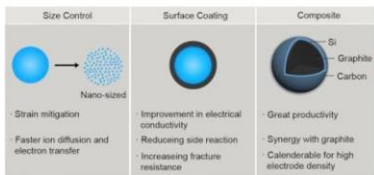
Our aim: To cover the whole development chain



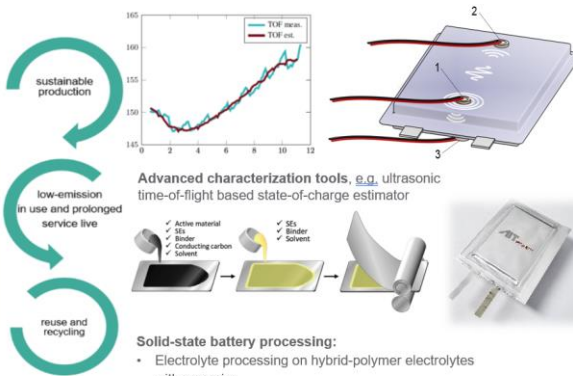
Academic partners



Complete research chain from materials to semi-industrial production battery cells



Development of Lithium-ion battery material coatings and interface stabilization



Stakeholder networks



OUR SERVICES

- Electrode design and slurry development
- Electrode coating and calendering
- Pouch cell production up to 10 Ah capacity per cell
- Industrial prototype production in dry room (dew point down to -60 °C)
- Cell component validation
- Automatic electrode stacking and electrolyte filling
- Next Generation Smart Cell Design with integrated sensor technology

HOW TO COLLABORATE WITH US

- Direct Contract Research
- Co-Funded Project Collaboration
- Joint PhD Programs

CELL DEVELOPMENT

- Component tests
- Prototype production
- Smart Cells with integrated sensor technology

BATTERY TESTS

- Safety tests
- Electrical tests
- according to accredited standards and individual customer requirements

BATTERY DIAGNOSTICS

- In situ monitoring
- Ex situ characterization
- Post mortem analysis

