

DRYtraec Coating of Sulfide-based Cathodes and Separator for All-Solid-State Batteries

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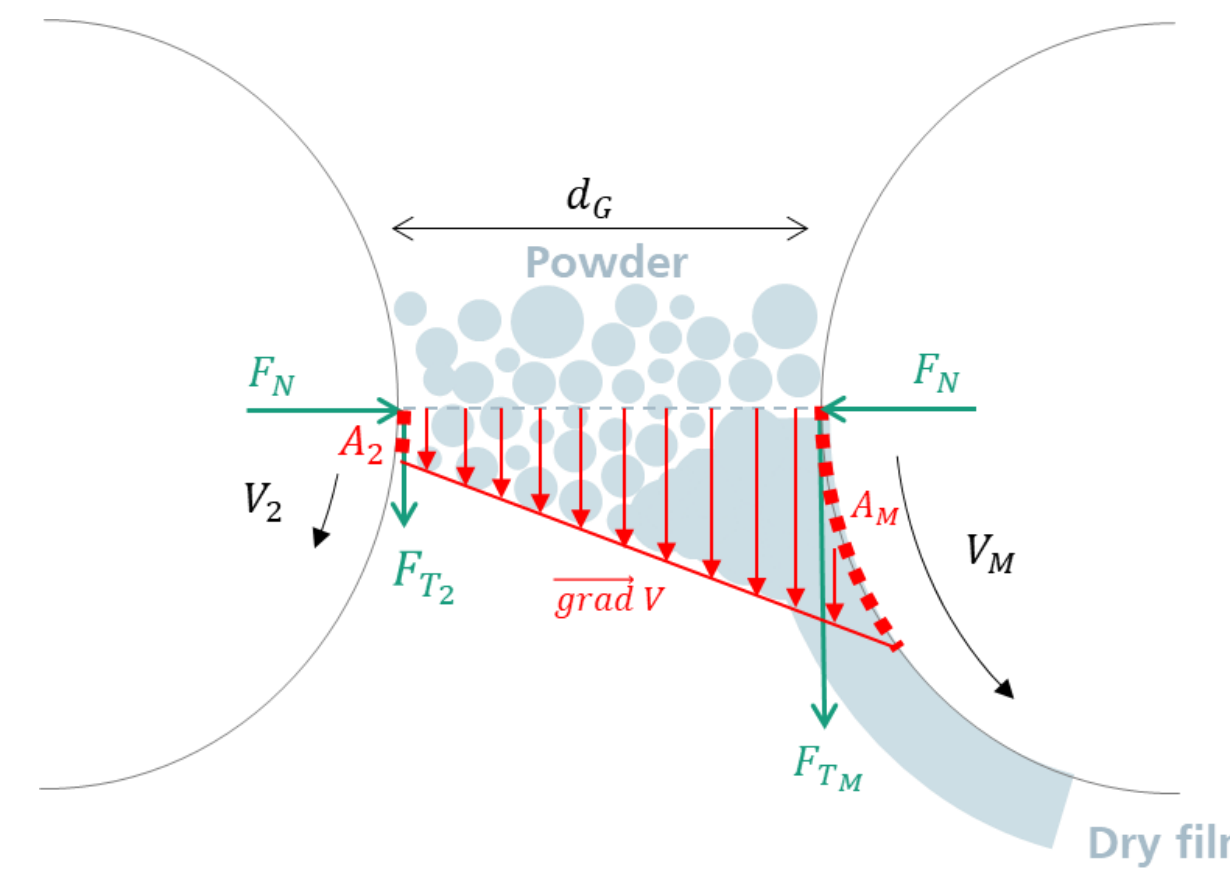
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MOTIVATION

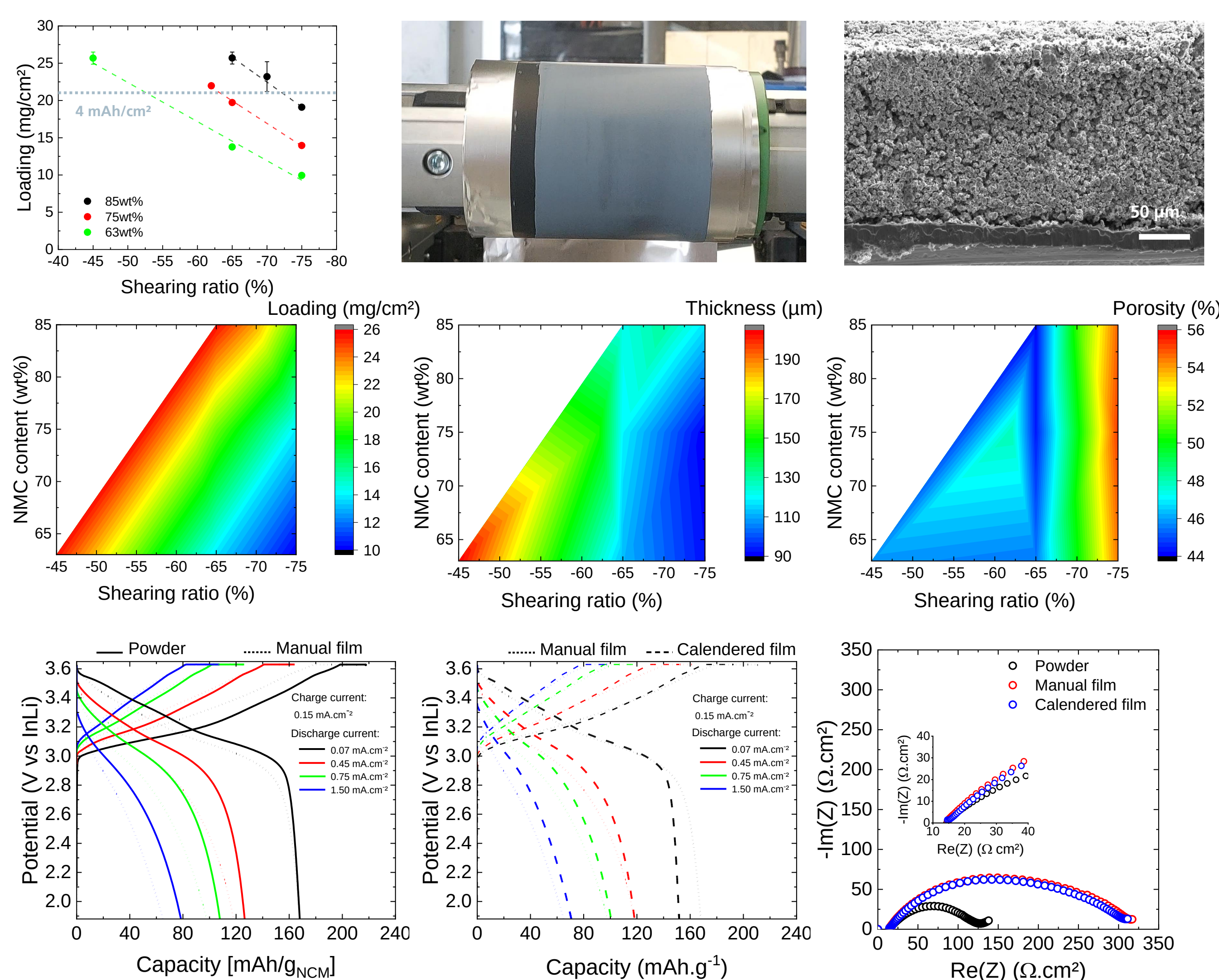
- To bring safer and more performant batteries to society¹
- Improvement of energy consumption and equipment footprint¹
- To bring manual dry film process to prototype-scale production²
- Higher TRL process technology for full-scale commercialisation

DRYtraec® : Speed differential (shearing) calendering

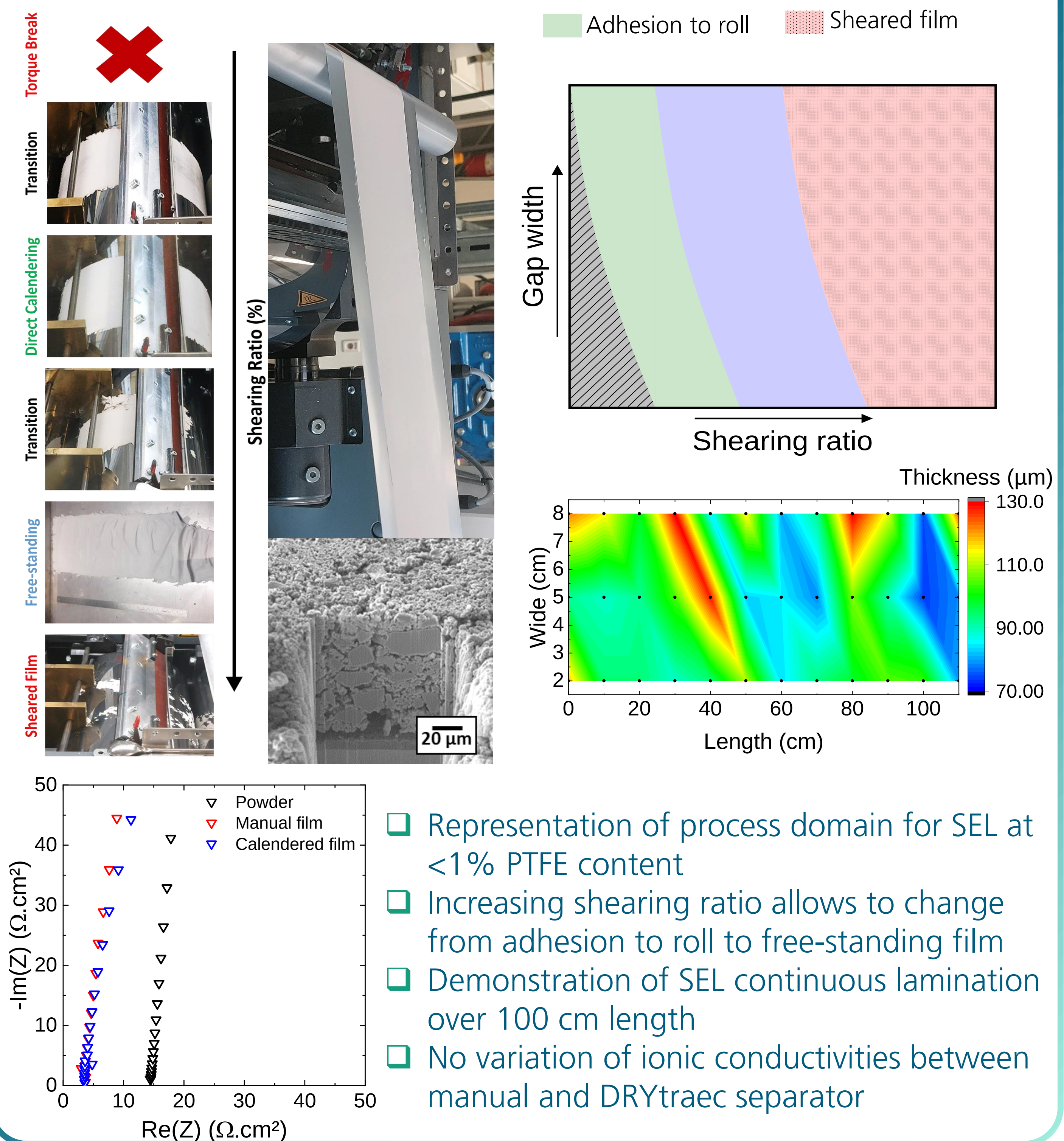


DRYTRAEC® FOR NMC CATHODE³

- Mixture of NMC82, LPSCI, VGCF and PTFE (< 1%)
- One step calendering from film formation to lamination
- Continuous coating of NMC cathode on Al foil, up to 4 m length
- Linear relationship between shearing ratio and loading
- No variation of electrochemical performance between manual and DRYtraec

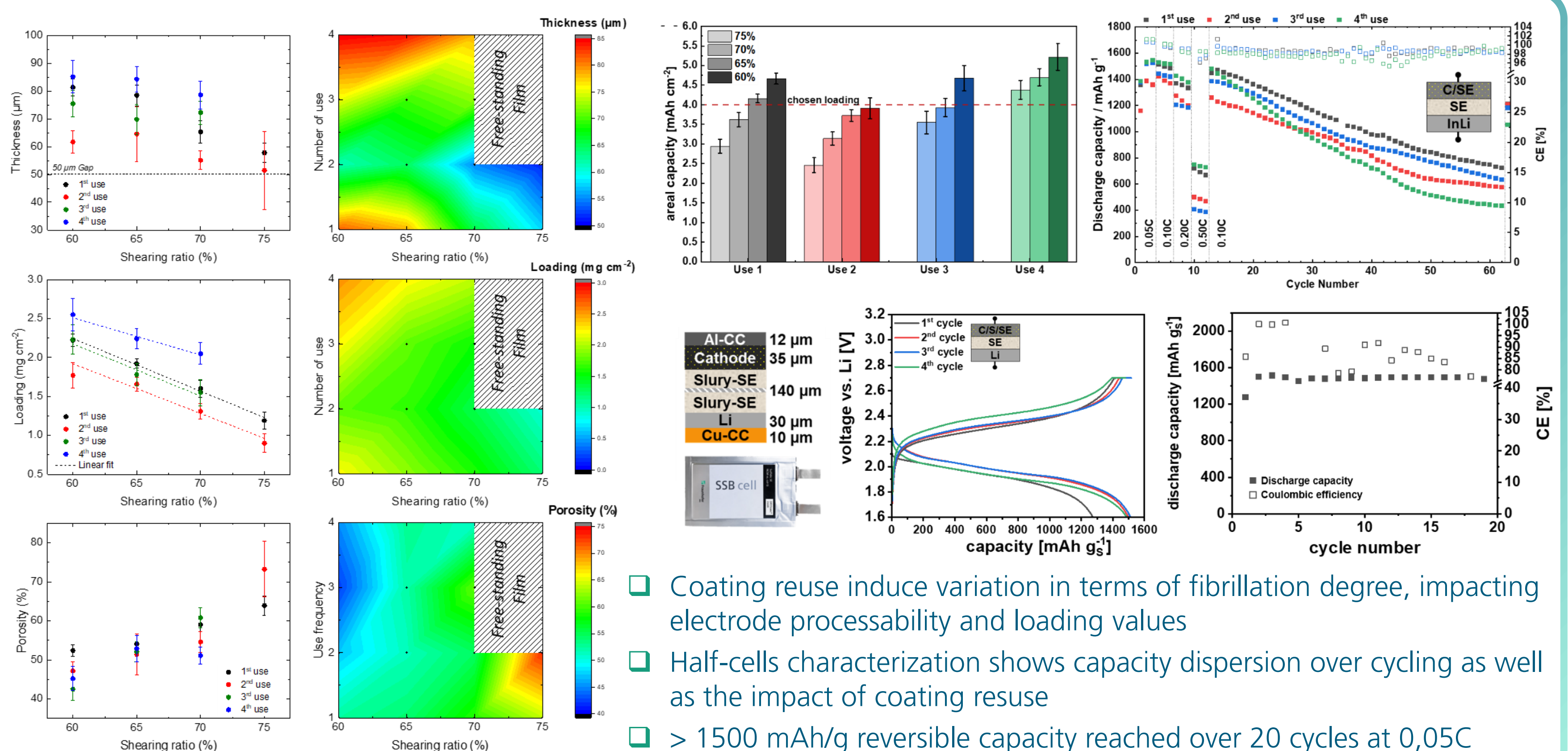


DRYTRAEC® FOR SEPARATOR³



DRYTRAEC® FOR S/C CATHODE⁴

- Dry processed scalable LiS-SSB cathodes
- Reuse of processed cathode material
- Successful cycling of LiS-SSB pouch cell with Li anode



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