

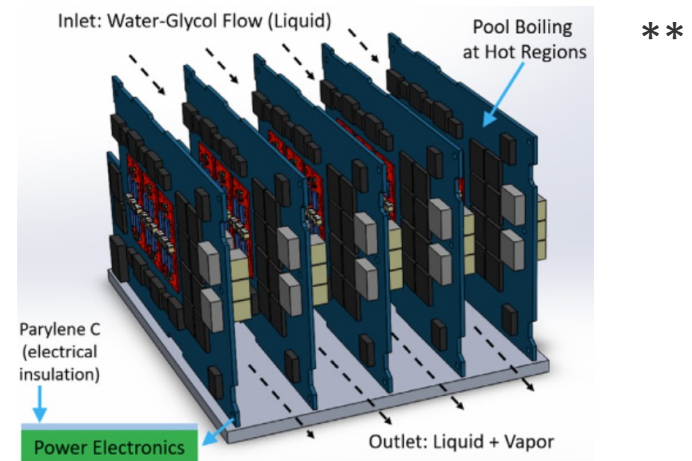
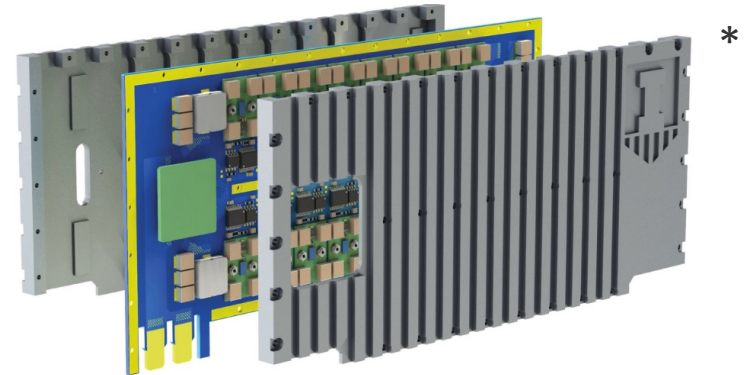


Past work

- High power density, multilevel power converters
- Integrated cooling solutions

Current projects

- Variable pole motor drives
- High voltage, high frequency motor drives
- Design Automation



* T. Modeer, et al, "Design of a GaN-Based Interleaved Nine-Level Flying Capacitor Multilevel Inverter for Electric Aircraft Applications," in *IEEE TPELS*, Nov. 2020

** Birbarah, et al, "Water immersion cooling of high power density electronics", *International Journal of Heat and Mass Transfer*, Volume 147, 2020