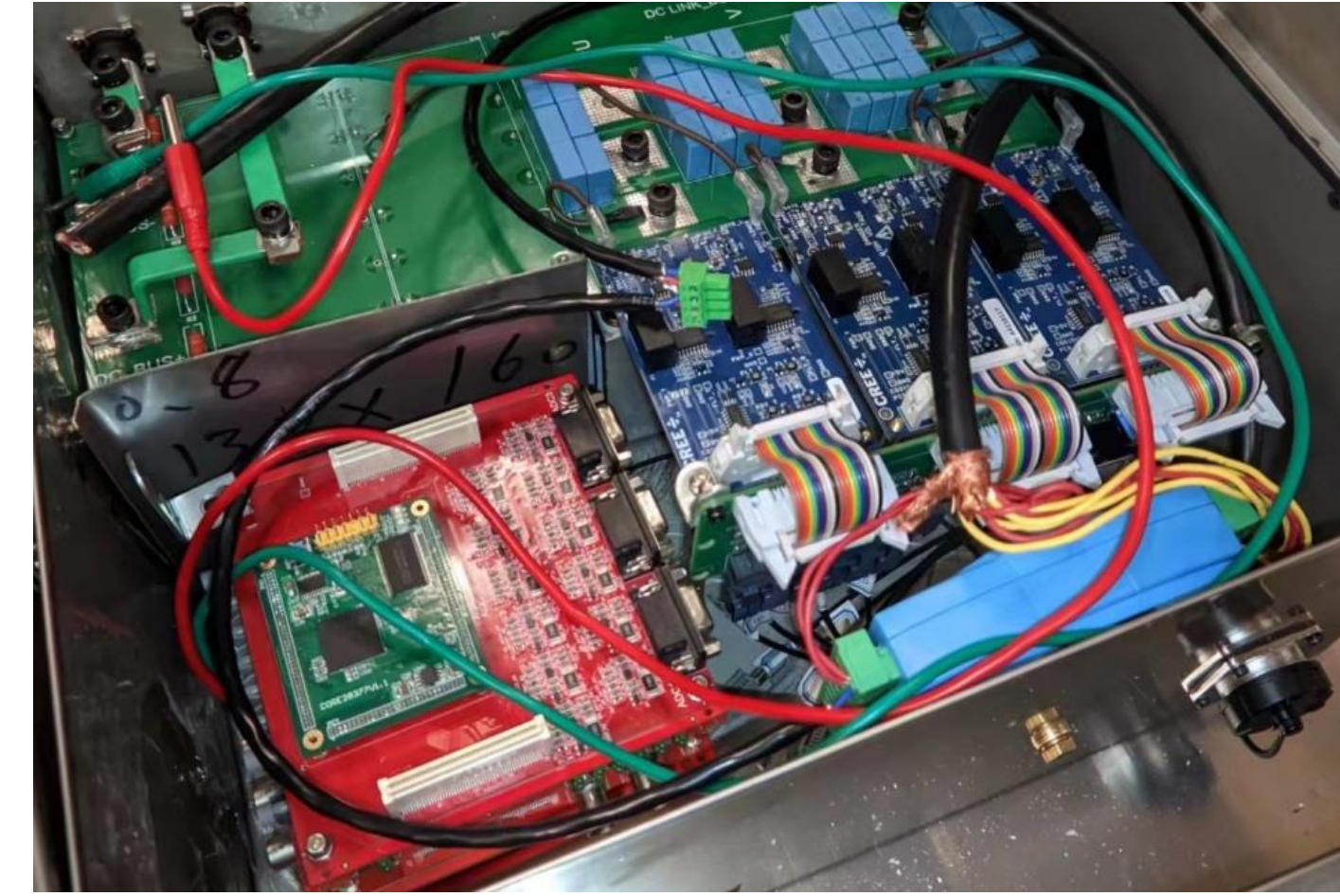
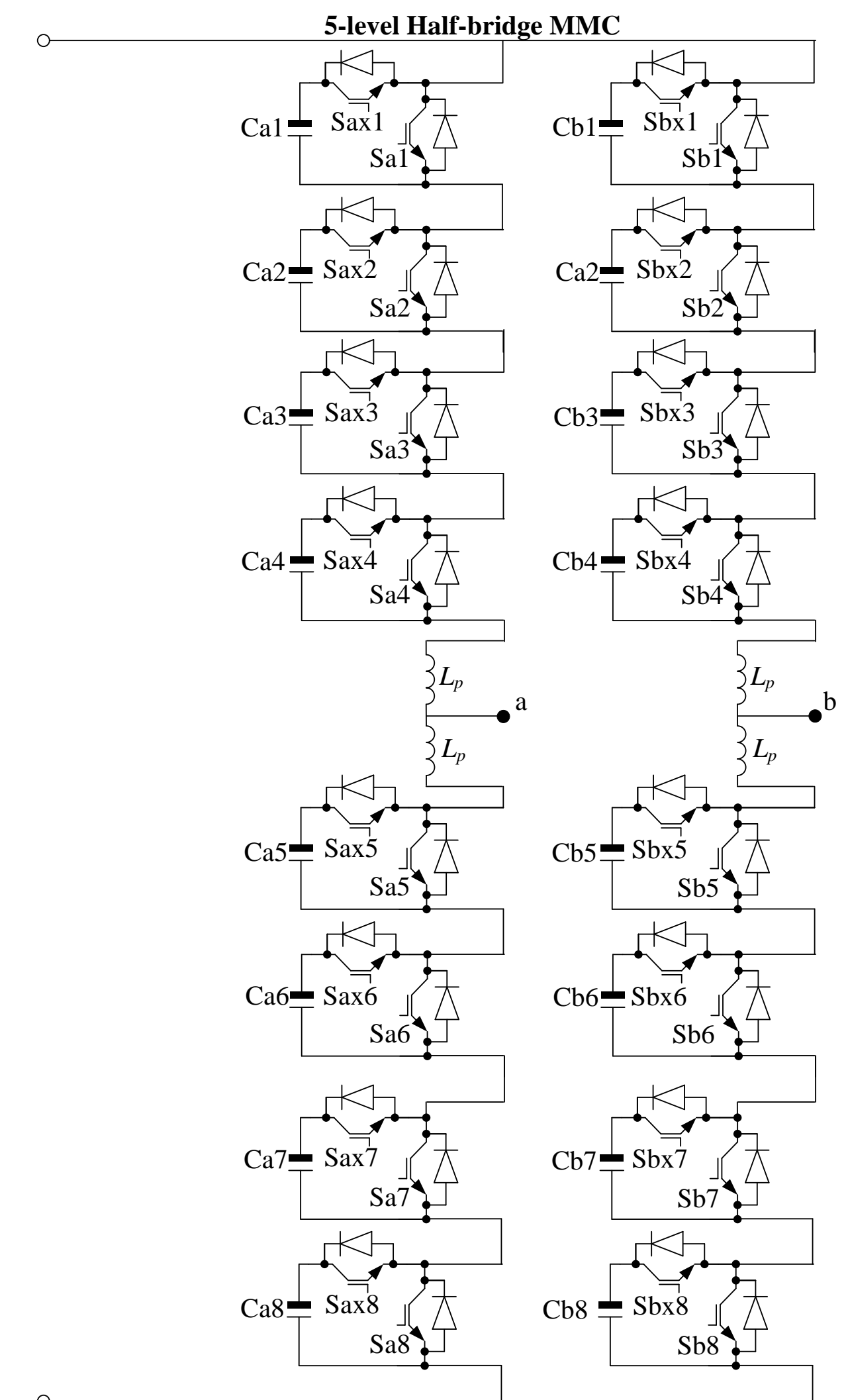


## Aberdeen HVDC (High Voltage Direct Current) Research Centre

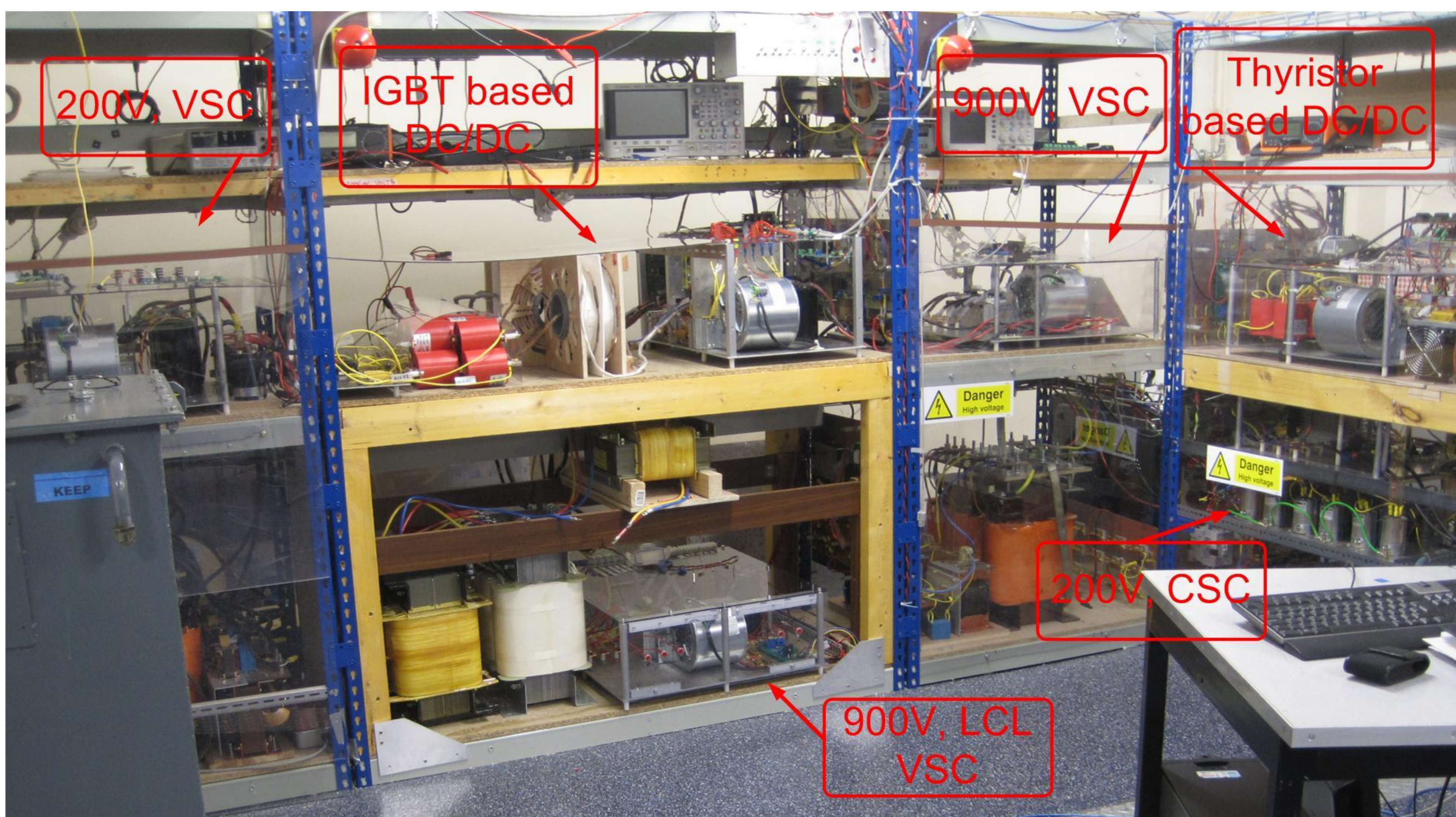
- Research themes:
  - High Voltage DC Transmission,
  - DC Transmission Grids,
  - DC Circuit Breakers,
  - Converter topologies, power electronics,
  - Power system and converter modelling,
  - Integration of renewable energy sources.
- Research supported by
  - EU/UK research councils,
  - Scottish enterprise and
  - Industry, (RTE, SSE, GE)
- £5.5 Million external research funding since 2010
  - PROMOTiON EU project (€39 million, 2016-2020) <https://www.promotion-offshore.net/>,
  - MISSION EU project (€12 million, 2024-2027), <https://euprojectmission.net/>
  - MowiLife EU project (€4 million, 2024-2027).
- 5-10 members including PhD students and research fellows
- Substantial laboratory for demonstration of DC systems



(eVTOL) aircraft inverter prototype

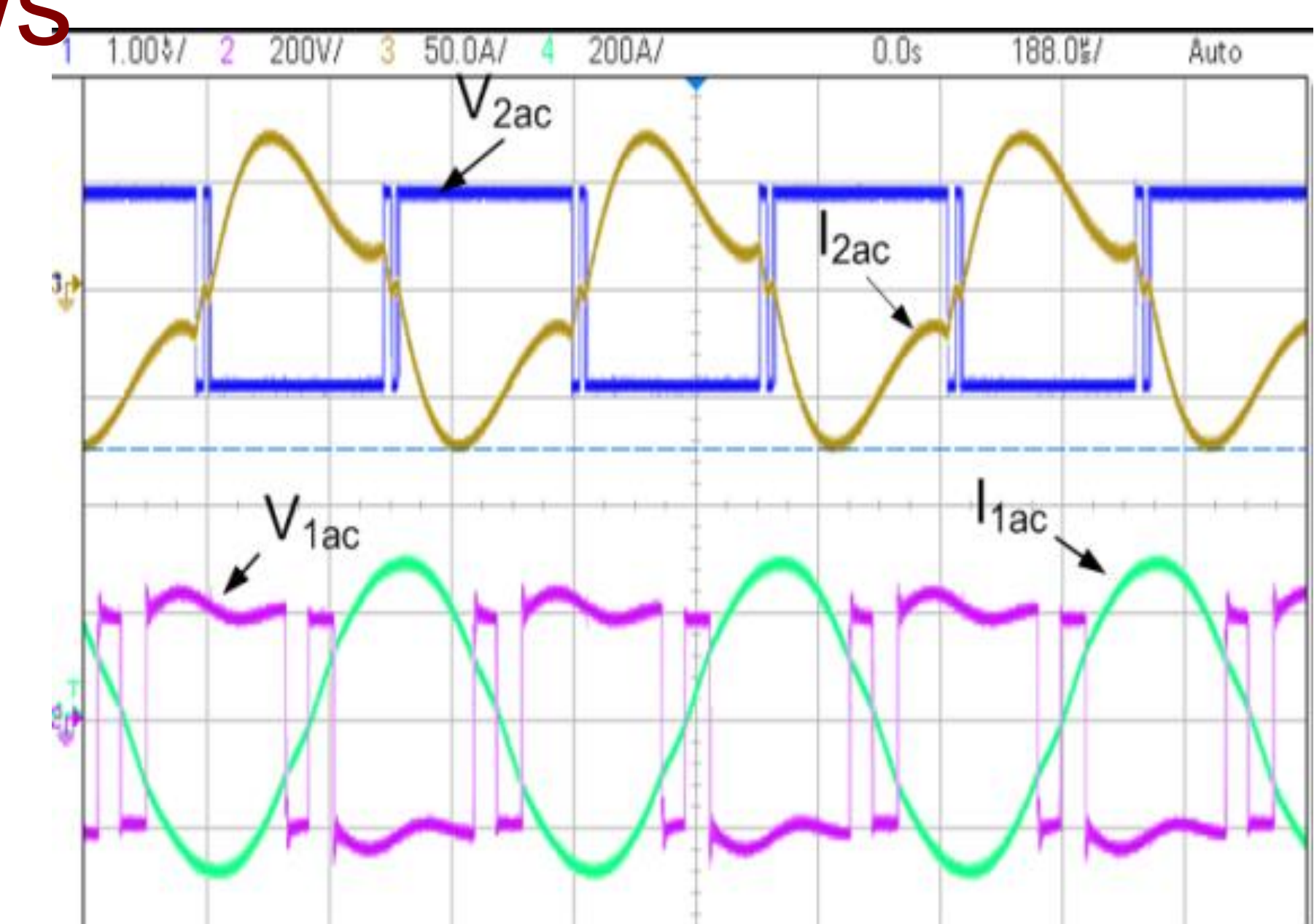


(MMC) Modular Multilevel Converter



HVDC research center laboratory

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DC/DC converter responses

