Cost-effective Cell Design for High-power Converters

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**Period: 2013 - 2018**

**Objectives**

- Contribute to equipment cost reduction and power loss reduction in HVDC and STATCOM installations through new cell designs
- Evaluate the possibility of using devices with higher blocking voltage

**Funding, industry collaboration**

- SweGRIDS, ABB

**Main achievements so far**

- Five conference papers published, one journal paper close to submission
- Test results with 4.5kV devices, successful tests with new snubber circuit, and fault tolerant solution