

# Hybrid Converters for HVDC Transmission

PhD student: Panagiotis Bakas

Funding: SweGRIDS

Period: 2014-2019



## Objectives

- Identify and evaluate hybrid topologies combining thyristors with VSCs.
- Select the most promising for HVDC applications.
- Verify feasibility of selected hybrid topology.

## Achievements

- Derivation of hybrid topologies based on building blocks incl. thyristors.
- 1 journal and 2 conference papers (as first author) + 1 journal and 1 conference papers (as co-author).
- Evaluation of hybrid topologies with high-power capability.
- Experimental verification of the selected hybrid topology.

