



Open-source Control Systems for HVDC Converters

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Objectives

- HVDC converters normally use complex and distributed control systems with high requirements on reliability and latency. To accelerate the deployment of HVDC systems, it will be needed to connect the transmission links into a grid, often referred to as a supergrid. This will require interoperability between the control systems of the converter stations, often coming from different vendors, to allow for efficient and reliable operation and avoid instabilities. To achieve interoperability an approach will be studied where parts of the control system use open-source software.

