FEATURED ARTICLE
New Quasi-2-Level Operated Flying Capacitor Converter

The ETHZ-PES, lab developed a 40kV / 300kVA Quasi-2-Level Flying Capacitor Converter (Q2L-FCC), improving the topology's efficiency. This converter offers better harmonic performance than the traditional solution. Moreover, it eliminates the risk of overvoltage and overheating, making it a suitable option for power electronics. The Q2L-FCC is designed to handle different technology readiness levels, and the most promising of them should reach the market after 6-8 years. The close collaboration of research institutes with the private sector is key to the success of such projects. The SCCER-FURIES, Management office, have a look on the related section SWEET webpage.

NEWS

SNIP NPFTP and NRP 71 summary report on energy networks

1.0 Grid impact from EVs in a 100% decarbonized world of 2050
2.0 Switzerland’s energy grids are reliable and stable but they are facing new challenges. This is the key outcome of the energy networks project's summary report on energy networks.

Events

- Grid impact from EVs in a 100% decarbonized world of 2050
- Switzerland’s energy grids are reliable and stable but they are facing new challenges.