

Power cycling test close to application conditions, with adjustable switching voltage

- Project partner:



Infineon Technologies AG

- Contents:
 1. Construction of a power cycling tester with active turn-off of devices under test
 2. Adjustable switching voltage peak up to 2kV at currents up to 2000A, voltage limited by active clamping
 3. Devices arranged in H-bridge topology, testing under application close conditions



Figure 1: Gate voltage and collector-emitter voltage during switching-off, collector current 420A. PrimePACK2-module rated voltage 1200V, adjusted voltage peak $\hat{U}_{ce}=950V$