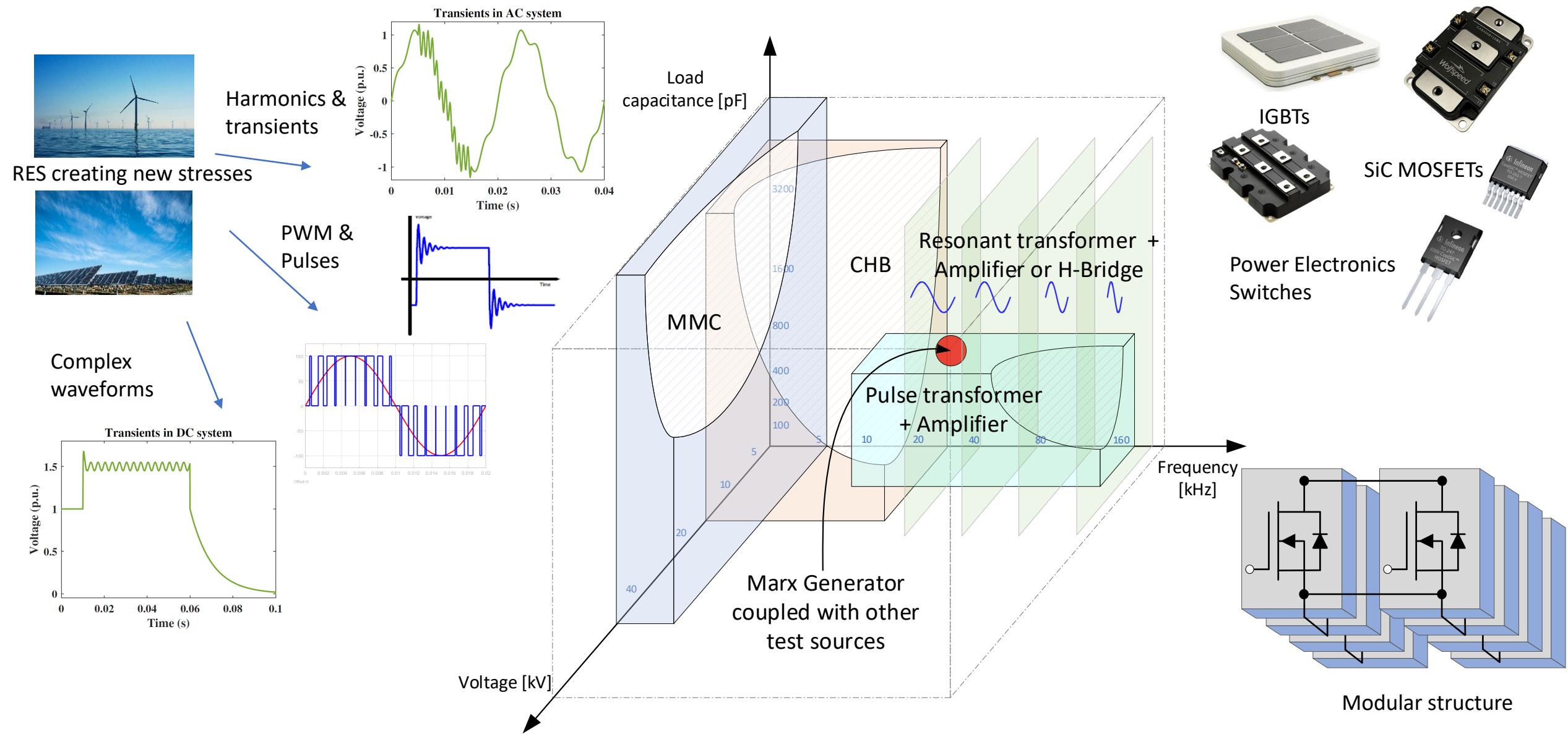
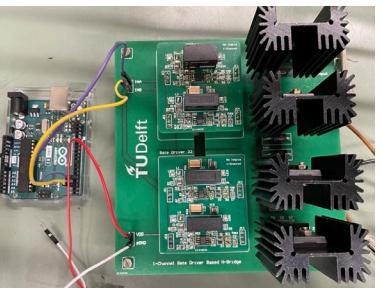


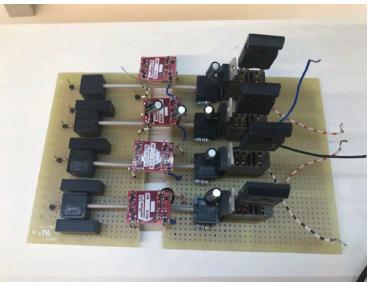
# High Voltage Power Electronics-based Arbitrary Waveform Generator



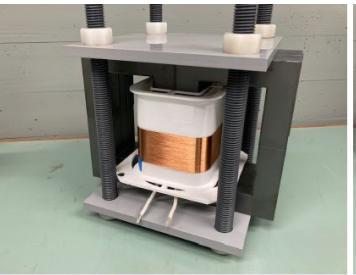
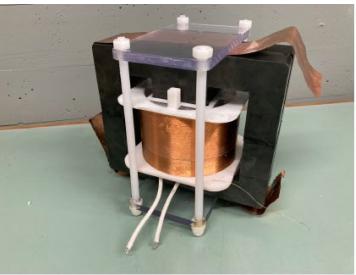
# Prototypes



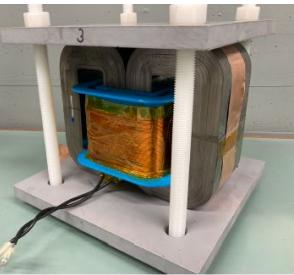
1 kV, 12 A H-Bridge



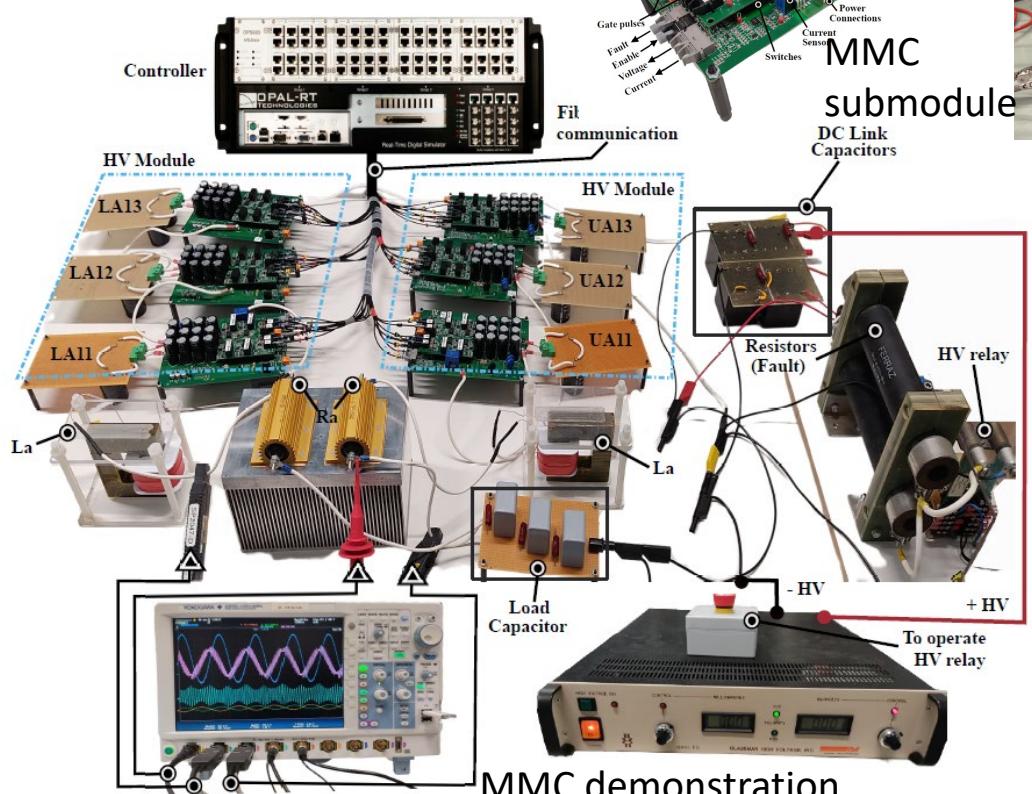
HB 4.5 kV, 1 A



Pulse transformer



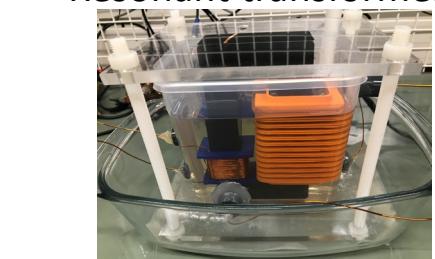
Low voltage 5 levels CHB



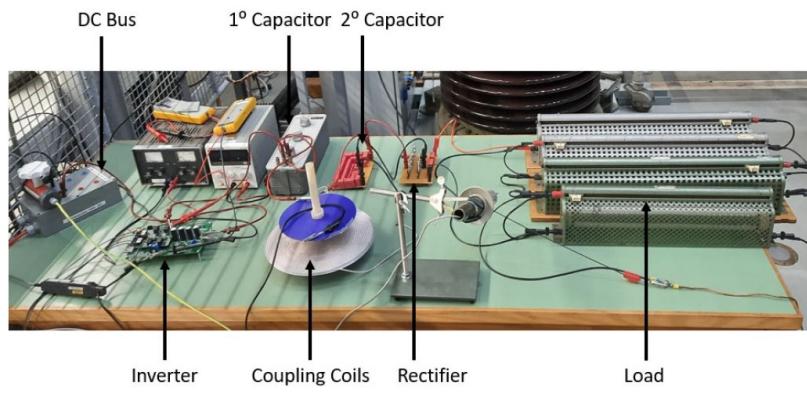
MMC demonstration



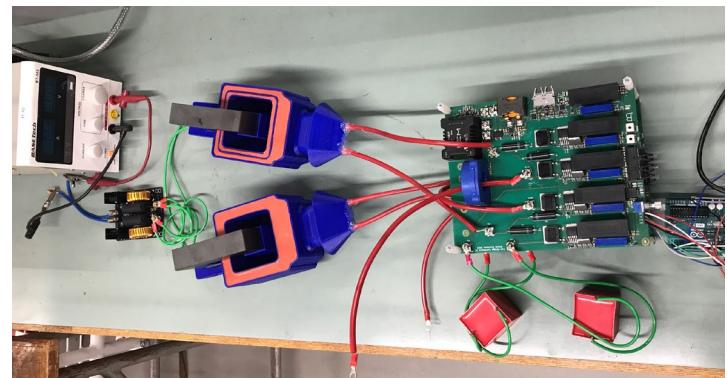
Resonant transformers



Switch 6 kV, 12 A



Air-core resonant transformer



CHB demonstration, 8 kV 2 levels