

Measurements and testing of electrical unconventional high power equipment

Innovations and Benefits - The test facility allows to verify, in a flexible and reliable way, unconventional electrical equipment with high-accuracy, arbitrary and variable currents up to 45 kA DC for 1s and 25 kA for 3s, through a group of AC/DC converters powered by two Motor Generators MG1 and MG3 with high flexibility waveforms required and available loads.

Uses - Acceptance Test at full power equipment such as, e.g., mechanical and hybrid circuit breakers in direct current, AC/DC power converters. Type and routine tests that can be performed on electrical equipment: insulation tests, non-load and load tests.

Past and Present Activities - Acceptance test of "Switching Network Unit" for breakdown of plasma for JT-60SA Tokamak, requested by OCEM Energy Technology Group.



2016 - Tests to verify the Ecodesign transformer according to the EU Regulation 548/2014, requested by IMEFY S.p.A.

Characteristics CUSTOM

Thanks to its flexibility, the service can be adjusted to different needs and contexts.