



Our test laboratories are state-of-the art.

Our HV test laboratory is the largest Faraday cage in the Middle East with a full range of equipment for testing and training.

We perform product type approvals, R&D, and quality assurance testing to all major national and international standards. Our engineers can advise the most appropriate test procedures and experimental designs for your products, and we have performed testing witnessed by European and North American accredited inspectors. We use finite element analysis (FEA) software for cable ampacity, electrical design of products

such as joints and terminations and magnetic field analysis. For ampacity we also use CYMCAP® which allows us to validate results from FEA and other calculations. We also have a fully equipped material test laboratory equipped for tensile testing, DSC, TGA, moisture content, high temperature ovens, light microscopy, dimensional analysis and FTIR.





600kV

Power frequency test voltage

7,000A

Inductive current transformers

1,900kV

Lightning impulse voltage

<2pc

Partial discharge measurements

1,500kV

Switching impulse

500kV

Mobile partial discharge measurements

62067

IEC | Water immersion test chamber

500kV

Back-to-back SF6 GIS chamber