

High Power Laboratory HPL

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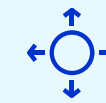
Accredited and independent laboratory for experimentation and testing for product development, contributing to the construction of the electricity grid of the future.

The power required for testing is produced using a short-circuit power generator (SCG) rated at 2500 MVA. The tests can be performed at 50 or 60 Hz.



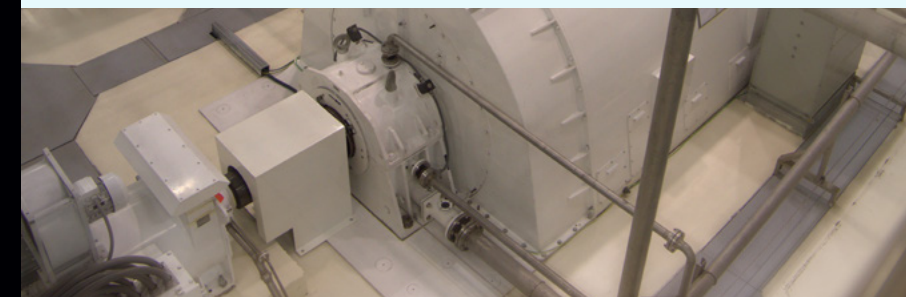
Qualifications & accreditations

- ILAC/ENAC Certified: Ormazabal Corporate Technology. ENAC accredited testing laboratory with accreditation No. 697 / LE1521, in accordance with standard ISO/IEC 17025. ENAC is a member of ILAC (International Laboratory Accreditation Cooperation), which integrates laboratory accreditation organisations worldwide.
- KEMA certification: the high power laboratory, which was designed jointly with KEMA, was certified by this same entity after its commissioning.
- Partner of BELA: founding member of the Basque Electrical Laboratories Alliance.
- AELP: member of the Spanish Association of Power Laboratories, recognized as Short Circuit Testing Liaison (STL) applicant.
- Other agreements: collaboration agreement with the Spanish Foundation for Promoting Industrial Innovation (FFII) and the Official Central Electrical Technology Laboratory (LCOE).



Capabilities

- High power tests:** Up to 40 kA (41.5 kV max.) and 100 kA (in low voltage): internal arc tests, short circuit withstand current tests, making and breaking tests.
- Dielectric tests:** Lightning impulse up to 600 kV, power frequency and partial discharges up to 100 kV
- Continuous current tests:** Up to 6000 A, accelerated ageing tests (max. 100 kV / 2000 A)
- Mechanical tests:** Degree of protection, mechanical operation, endurance tests.
- Environmental tests:** Climatic chamber (-40°C to +180°C), salt spray fog.



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Technology for a new
electric world

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More info

