Commissioning Tests of Underground and Submarine HV Cables

On-site commissioning, diagnostics and maintenance tests on underground and submarine High Voltage Cables and GIS systems based on Variable Frequency Resonant System WRV 80/260 and On-site Partial Discharge Measuring Systems.

AIMED AT

• Utilities
• Cable Manufacturers
• Engineering companies
• Electrical maintenance companies
• Promoters of wind farms, solar plants, etc.

SERVICES

• After-installation and commissioning tests
• Diagnostics and maintenance

EQUIPMENT

• Underground Cables
• Submarine Cables
• GIS

TESTS

• Withstand Resonant test
• Partial Discharge measurements
• Measurement of the electrical resistance of conductor and screen
• Measurement of the capacitance
• Measurement of the line impedance
• Verification of phase sequence
• DC Test on the sheath

• Fully equipped mobile laboratory to perform all the tests required.
• Experience in on-site tests since 1991.
• Long time expertise on Lab and on-site PD measurements.
• International agreements for cooperation in international projects.

www.tecnalia.com
TECNALIA is a private applied research centre with the necessary human resources to generate technological knowledge. A combination of technology, tenacity, efficiency, courage and imagination.

TECNALIA has over 1,500 expert staff working together towards a common goal: generating business opportunities through applied research.

VARIABLE FREQUENCY RESONANT SYSTEM
TYPE WRV 80/260 T

Voltage: 260 kV
Current: 80 A
Frequency: 20 - 300 Hz
Power @ 50 Hz: 30,000 kVA

PARTIAL DISCHARGE MEASUREMENTS

Large experience on the acquisition and interpretation of partial discharge measurements on-site.

Using the latest technology available at the market:
• MTRONIX
• LEMKE
• POWER DIAGNOSTIX
• TETTEX
• ROBINSON