



# Hydro-Québec testing laboratories

The solution for your electrical testing needs

Hydro-Québec operates specialized facilities for diagnosing, testing and certifying most types of equipment found in the power industry. These facilities include test areas using low- and high-capacity sources of up to 400 kVA.

## **Services offered**

- › Standard and accelerated cycling tests
- › Aging tests
- › Temperature rise tests
- › Dielectric tests at 60 Hz and under direct current (300 kV AC and 160 kV DC)
- › Partial discharge tests up to 300 kV AC
- › Dielectric loss tests (tan delta)
- › Short-circuit tests (LV, very high current)
- › Non-destructive tests (ultrasound, resistance, thermography, radiofrequency)



Source for capacitor testing.

## **Equipment tested**

- › Line hardware
- › Joints
- › Bushings
- › Windings
- › Motor and generator buses
- › Distribution transformers
- › Capacitors (LV and MV)
- › Switches
- › Cabinets
- › Busbars up to 30 kA single-phase and 12 kA three-phase



- High-voltage testing
- **Electrical testing**
- Mechanical and environmental testing
- Underground cable testing
- Testing on a full-scale overhead line
- Calibration and repair services

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Expertise and specialized facilities  
you can bank on

Comprehensive solutions to meet  
your specific needs

### ***To reach us***

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