



Market Leader in **Air-Core Reactor Technology**

# QUALITY-SAFETY-CONSERVATION

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**Before delivery, every single reactor is rigorously tested in Coil Innovation's modern, high-voltage laboratory.**

In addition to the measurement of technical key parameters, such as inductance, resistance and losses, using precision measuring instruments, the reactor's dielectric strength is examined. Lightning impulse tests or discharge duty tests with repetitive capacitor discharges are carried out in accordance with the applicable ANSI or IEC standards.

The lab comes complete with an adjustable power supply, a modularly-structured capacitor bank and fiber-optical temperature sensors used to measure the winding temperature rise of the reactors under full-load conditions. For testing DC reactors, Coil Innovation has a direct-current testing facility as well.

A comprehensive testing program alone cannot guarantee quality. Coil Innovation employees are committed to maintaining the highest quality attainable throughout all stages of planning, engineering and manufacturing.

Coil Innovation is built on an effectively integrated management system, which has been certified according to:

**ISO 9001: 2008 Quality Management System,**  
**OHSAS 18001: 2007 Occupational Health and Safety Management System**  
**ISO 14001: 2004 Environmental Management System**



### Recent Innovations

The ever growing demand for electrical equipment with extremely low sound emissions has prompted Coil Innovation to make significant investments into the development of low-noise reactors and modern acoustic measurement tools. This investment yielded two major accomplishments – a revolutionary sound mitigation technology and a new sound measurement test laboratory.

In Coil Innovation's specially designed acoustic laboratory, power harmonic current sources are generated to simulate operational loads, thus enabling accurate, reliable acoustic measurements.



(USA)



69 kV Shunt Reactors (USA)



600 kV HVDC Smoothing Reactor (Brazil)