

ELECTRICAL TESTING GROUP

**INDUCOR**

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MV & HV CABLE TESTING TECHNOLOGY

ON SITE CABLE COMMISSIONING

UNDERGROUND FAULT LOCATION

NEWS LETTER AUGUST 2010

INDUCOR INGENIERIA POSITIONS ITS TESTING SERVICES OF ELCID (CORE IMPERFECTION DETECTION) ON HYDRO GENERATORS IN THE MAIN POWER STATIONS OF BRAZIL

Brazil – August 20th, 2010:

Internationally accepted as one of the most specific tests, with accurate and reliable results, and designed to detect defects on the stator laminations of large generators, the test called ELCID (Core Imperfection Detection), is only provided by five independent service companies in the world.

The ELCID technique, is designed to determine the punctual fault location, such as degradation or short circuits existing in the inter-laminar insulations of the stators, product of failures during the assembly, vibrations, etc., which will produce strong currents of losses and focused heating, that sooner or later will take out of service a rotating machine.

During the month of August 2010, INDUCOR INGENIERIA was appointed to carry out the stator inspections, through the application of the ELCID technique, with robotic and manual drive, on synchronous machines over 100MVA, which belong to the three main hydro generator companies of Brazil:

VOITH HYDRO - SALTO PILAO HYDROELECTRIC POWER STATION placed in Ibirama City, State of Santa Catarina, with 101.3 MVA /13,8 KV machines.

ENDESA - CENTRAIS ELETRICAS CACHOEIRA DOURADA S.A Placed in the State of Goiás, with 84 MVA / 13.8kV – synchronous machines.

TRACTEBEL GENERACION– PASO FUNDO HYDROELECTRIC POWER STATION- Placed in the State of Río Grande do Sul, with 113 MVA / 13.8Kv synchronous machines -

In compliance with the IEEE 62.2 / IEC 34 / IEEE 56 and IEEE TRANS 2005 - Core Fault Detection Technique for Generators Stator Cores standards, INDUCOR INGENIERIA S.A. competes professionally day after day in the World market of large rotating machines testing.



ELCID (CORE IMPERFECTION DETECTION) SOBRE GRANDES HIROGENERADORES DE BRASIL



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ISO 9001
BUREAU VERITAS
Certification