HIGH POWER LABORATORY (HPL): READY FOR AN ULTRA-HIGH POWER FUTURE

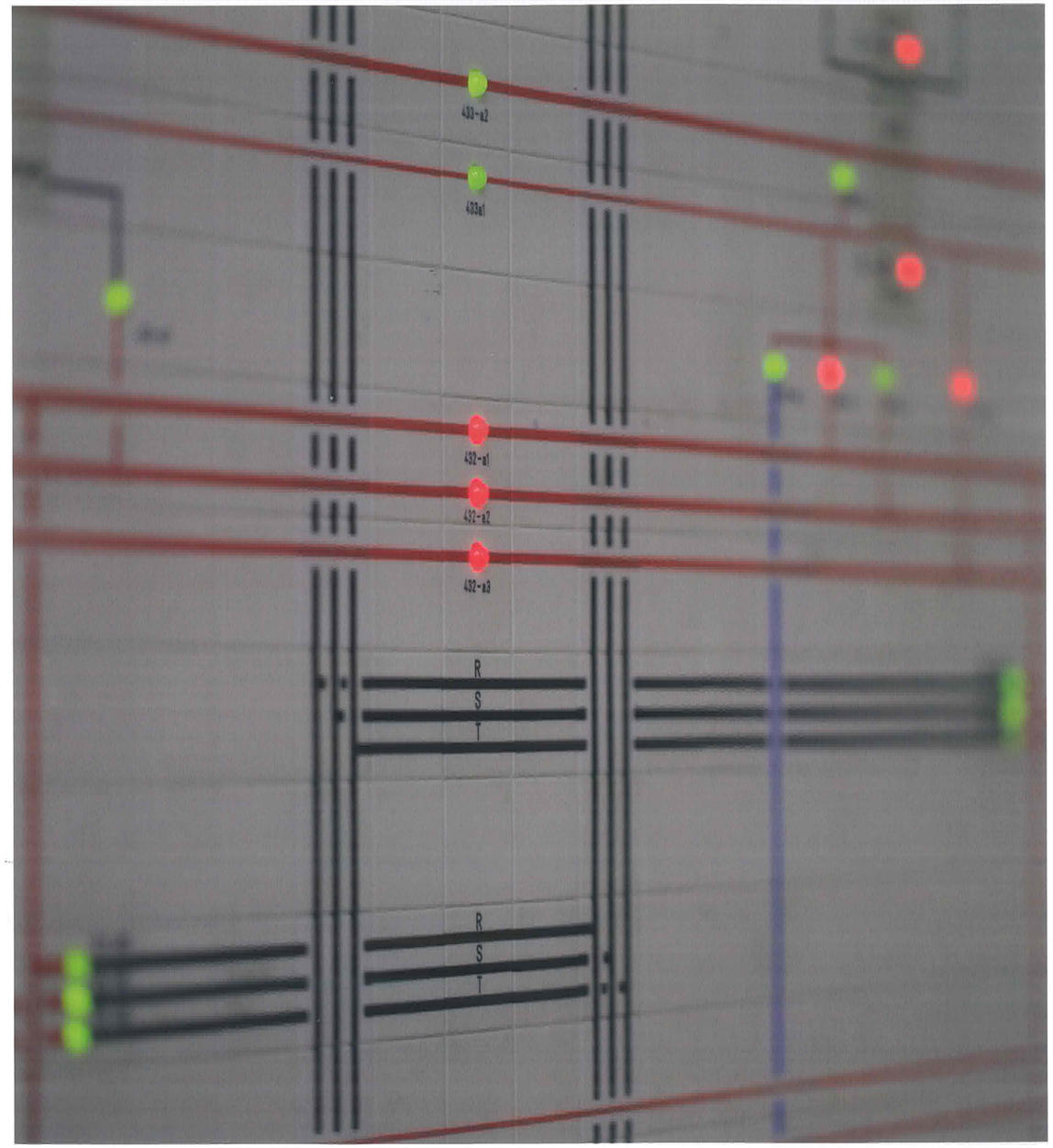
TESTING OF KWH METERS WITH A (PRE) PAYMENT SYSTEM

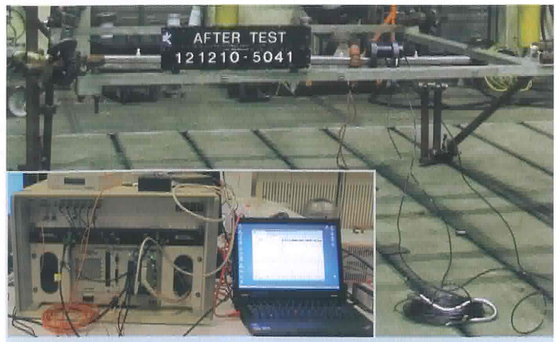
NEW IEC STANDARD FOR CURRENT TRANSFORMERS

HighLight

DNV KEMA'S QUARTERLY NEWSLETTER OF TESTING, INSPECTIONS & CERTIFICATION

No. 53 | 2013





ABB

DNV KEMA High Power Laboratory in Arnhem and ABB, a global leader in power and automation technologies, successfully performed a composite error (100 kA) and instantaneous error (63 kA (165 kA_{peak}) C-150ms-O-300ms-C-150ms-O) measurement on an optical current transformer with digital IEC 61850-9-2 sampled values output. For the first time a non conventional optical instrument transformer with sensitive electronics was tested in the DNV KEMA High Power Laboratory.

Becker Mining

Recently, Becker tested underground mining electrical equipment as per the IEEE Std C37.20.7-2007 for internal arcing faults. The testing took place at DNV KEMA-Powertest in Chalfont, PA, USA. There are over 600 underground mines in America with thousands of electrical enclosures that are freely accessible by anyone working in the mines. Becker's purpose in developing arc resistant equipment is to keep miners safe, protect the mines' assets and maximize production.

BOS Elektro

DNV KEMA Calibration & Metering (C&M) has been a reliable partner for BOS Elektro bv since 1993 and conducts on-site calibrations on their stationary safety testers. The company manufactures equipment for temporary power supply and related products, such as floodlights – wire, cable, connection and main distribution boxes – heaters, dehumidifiers and switching equipment. For this company, accurate measurements are important for quality control. After calibration, the measurement results are carefully interpreted and again we were both very satisfied with the results which are all within the specifications. Because our DNV KEMA C&M Laboratory is accredited, data is always traceable to a national standard. For Bos Elektro bv this is a requirement because the business must meet a quality certification such as ISO, EN, BRL or SEI.

Trench Italia SRL

Trench Italia SRL has successfully completed a challenging testing program to certify Capacitive Voltage Transformers. On the photograph the General Manager High Voltage Laboratory Mr. André Lathouwers grants Mr. Daniele Buscemi (R&D department Instrument Transformers of Trench) the KEMA Type Test Certificates for the 245 kV, 420 kV and 550 kV CVTs.