

Treetech will release Tap Changer Torque Monitor – IDM

Treetech is preparing, for the second half of this year, the release of the Tap Changer Monitor Torque - IDM. The equipment, created to detect beforehand the failures of the On Load Tap Changer, one of the main causes of failure in transformers, will contribute to reduce unexpected outages.

The IDM supervises the following variables online:

- Current oscillography, voltages (optional) and power consumed by the motor during the monophasic or triphasic operations;
- Tap position of the changer (optional) through a potentiometric position transmitter or current input (optional);
- Anticondensation heater current of the mechanism (optional)
- Line Current interrupted by the changer (optional)
- Auxiliary contact of motor circuit breaker alarm and/or actuated command (optional)
- Mechanism temperature (optional).

For the OLTC diagnosis, the IDM correlates those measurements with engineering algorithms to obtain useful information for the diagnosis and prognosis such as:

- Motor starting current;
- Signature of the power and energy spent by the motor during the operation;
- Voltages and minimum and maximum motor currents during operation;
- Number of operations and service time of the changer, total and after the latest maintenance;
- Integration of the commuted current indicating wear and tear in the contacts of the changer, total and after the latest maintenance;
- Remaining time for service time maintenance;
- Mechanism heater operation, preventing water condensation and oxidation;
- Temperature of the low or high actuating mechanism;
- Motor power supply under and overvoltage.

Treetech displays its products in the Automation Peru 2010 exhibition

Treetech Digital Systems took part in the VII Automation Peru International Exhibition, in 2010, an event that brings together a fair and an electric industry automation, instrumentation and electronics conference. At that time, the company has presented the panel “Soluciones Integradas para Gestión y Monitoreo de Activos Fijos del Sector Eléctro” and the new product line released in the 2010 IEEE T&D Conference and Exposition, in April 2010, in the United States.

That work, done in partnership with the Logytec Peruvian company, company executives and businessmen attending the event to identify solutions, get the latest updates in the area and do networking.

The National Peruvian Engineering Universities and Ricardo Palma supported the Automation Peru 2010, which is sponsored by Grupo Perú Events and took place on 8 and 10 July at the Jockey Plaza Convention Center, in Lima, Peru.