SmartGrid



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Transformers are a vital part of the transmission and distribution system Monitoring transformer condition online can prevent faults that are costly to repair and result in a loss of service. We help you implement solutions and systems for online monitoring of transformers. You can then use while information to avoid dangerous and costly failures optimizing maintenance schedules and extending the life of your transformers.

Benefits:

- Timely Action on critical fault.
- Beforehand knowledge for critical parameter like Over Loading, Load imbalance, Poor Transformer Health.
- Fast and Reliable suggestion regarding Infrastructure Expansion.
- Easy, Complete and Fast report generation.
- Error fee, fast and robust substation management at lower cost.

Online Transformer Monitoring **Cooling protection** Low oil level Ambient temperature Transformer monitoring Communication application suite wireless or cellular) Overload protection Voltage, Current, Frequency Active Power, Apparent Power, Power Active Power Angle, Tan Phi, Cos Phi Remote operation LBS or MCCB OLTC (optional) Tap position and counter Time since last through tap position Low oil level Thermal protection Oil temperature Winding temperature RTU Core and coil protection Dissolved gas(BuchholzRelay) · Moisture in oil

Features:

- Real Time Monitoring of Transformer Health(Oil level, Oil Temp, Palm Temp Fire Indicator, Door status).
- Online Load Survey.
- Automatic Alarm Generation and information through SMS and Email.
- Graphical and textual display of electrical parameters.
- Online report generation in all required format(PDF,XML, XLS etc.)
- Automatic reporting through email on daily, monthly and yearly basis.
- Timely suggestion regarding infrastructure expansion.
- Other handly features like asset management, billing, auditing etc.



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