Johannesburg Branch
MIMIC COMPONENTS
Cape Town Branch
Mimic Cape

Transformer Monitoring

Telik Trafo Lite

- **Transformer temperature measurements**
- **Easy to set up**
- **Low power and long range wireless communication**
- **Temperature variation alarm**
- **Periodical data transmission**
- **Immediate alarm events**

Maintaining the continuity of electricity supply is the main objective of distributors. For this, it is essential that your assets operate reliably, with the distribution transformer being an element of great importance. In addition, the demands for lower cost and more efficient solutions are a major challenge for equipment manufacturers.

With this scenario in mind, **NOVUS** launched **Telik Trafo Lite**, an innovative solution capable of monitoring temperature and intelligently providing relevant information for asset monitoring. An easy-to-commission product that allows large-scale application on the network.

Through the data, remotely available, it is possible to monitor the transformer's temperature variations, enabling the evaluation of the load profile, anticipating possible anomalies or premature degradation. In addition, it allows optimization of the operation and maintenance teams, reacting in advance to occurrences.

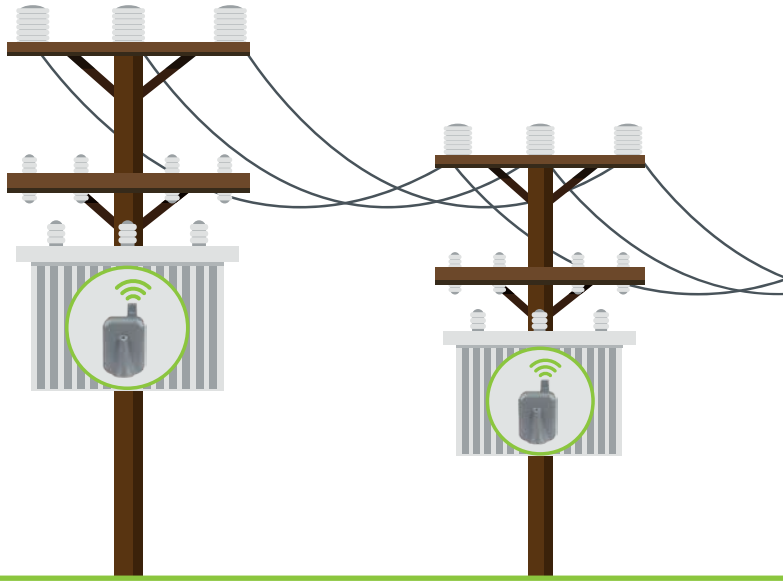
DATA TRANSMISSION TO CLOUD

INTEGRABLE WITH MONITORING AND MANAGEMENT SYSTEMS

TECHNICAL LOSS DETECTION IN TRANSFORMERS

CONTINUOUS MONITORING FOR RISK MANAGEMENT

Topology



Technical Specifications

Temperature Measurement	Range: -40 ~ 125 °C (-40 ~ 257 °F) Resolution: 0.1 °C (33.8 °F) Accuracy: ±3 °C
Dimensions	70 mm x 118.5 mm x 53.5 mm
Communication Interfaces	USB
	LoRaWAN
	Version: 1.0.4 Class: A Region: LA915A (915 to 928 MHz) (Brazil) / AU915 (Research countries) SF: 7 ~12 Connection Mode: OTAA Compatible with ADR mode
Maximum Transmission Power	18.59 dBm (Americas) 14.35 dBm (Europe)
Reception Sensibility	-136 dBm

Publication Interval	1 to 1440 minutes (24 hours)
Acquisition Interval	1 to 43200 minutes (12 hours)
Power Supply	2 x 3.6 V 2500 mAh Lithium AA When using the factory settings, the battery lifespan can reach 10 years in locations with excellent signal strength. In locations with low signal strength, it may drop below 5 years.
Protection Degree	IP66
Environment	Operating temperature: -10 to 85 °C (14 to 185 °F) Storage temperature: -20 to 85 °C (-4 to 185 °F) Humidity: 5 to 95 % RH, without condensation
Housing	Polycarbonate (V0 flame retardant and UVA/UVB protection material)
Softwares	**NXperience** (USB or LoRaWAN for PC) **NXperience Mobile** (for smartphones)
Certificaciones	Anatel (11500-22-07089), E-Thingz, CE Mark, UKCA

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