![XNET logo] Connect . Analyze . Transform

XNET - DTMU

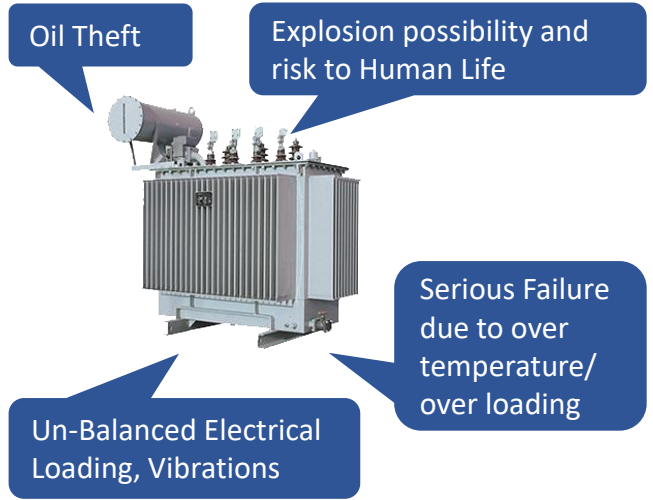## Monitor and Manage your Distribution Transformers

XNET DTMU is a comprehensive solution for monitoring and management for Distribution Transformers.

Monitoring of Transformers is not only critical to maintain their health and hence prolong their life but also to mitigate the risk of a potential explosion and to improve load flow and optimize the distribution network.

XNET – DTMU is a combination of sensors, XE-25 edge computing and LTE communication device gather critical data such as:

- Electrical Loading,
- Thermal Loading,
- Ambient conditions
- Load un-balances

Coupled with XNET – DTMU, a cloud platform for data analytics, representation and reporting.

Oil Theft

Explosion possibility and risk to Human Life

Serious Failure due to over temperature/ over loading

Un-Balanced Electrical Loading, Vibrations

XNET – DTMU

XNET EDGE XE - 25

Meters
Sensors
Transformer

4G LTE

Location	Yash Flora	DTMU ID	352889060971793
Feeder	Yash Flora Feeder	Data as on	2019-12-08 21:11:29
Substation	Subdivision	Present Load	29.386 %
Make	Toshiba	Oil Level	⬤
Transformer Capacity	100 kVA		

Oil Temperature	9.5 ℃	Voltage R	252.5 V
Lug Temperature R	19.2℃	Voltage Y	255.9 V
Lug Temperature Y	19.2℃	Voltage B	253.0 V
Lug Temperature B	3276.7 ℃	Current A	43.9 A
Lug Temperature N	16.8 ℃	Current B	31.4 A
KW	30.4 kW	Current C	47.7 A
KVA	29.4 kVA	PF	0.973
KVAR	6.7 kVAr	Frequency	50.2 Hz
		Active Energy (kWh)	300597.3 kWh

Status   Trend   Commands   Alarms

Solution Benefits

- Electrical and Thermal Load reports
- Electrical and Thermal load inter-relation analytics
- Real time un-balanced condition detection
- Oil theft detection
- Geo-Mapping for better load planning
- Comprehensive Alarm list
- Alarm Acknowledgement and Resolution
- IEC 60870-5-101, IEC 60870-5-104, Modbus Support
- MQTT over 4G LTE
- Cloud and on-premise options
- SMS and e-mail alerts and reports

XNET – DTMU – Geo Mapping

MAKE IN INDIA

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