



# Distribution Transformer Monitoring Solution

Commercial & Industrial

Combining a DTM three phase meter installed on the LV side of a transformer with our industry leading analytics, Itron's DTM solution provides accurate supervision of the transformer and its environment. Seamless integration into Itron's analytic platform allows data to be processed and displayed according to individual customer requirements. Let Itron show you how a managed service option may be the best fit for you.

## LARGE MEASUREMENT RANGE

Inherent by design, the DTM meter provides accuracy over the entire current range of the transformer. Using Rogowski coils, the range of current measurement of the DTM is from 30A to 3000A per phase.

Leveraging Itron's proven metrological technology, combined with industry leading rogowski coils, allows the DTM solution to measure currents accurately from 30A to 3000A per phase.

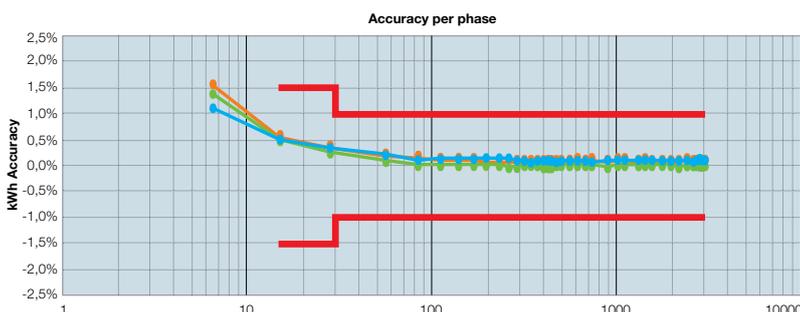
## EASE OF INSTALLATION

The DTM solution can be commissioned on an existing powered installation. The DTM meter is installed on the transformer. Its three independent current sensors and voltage taps allow accurate measurement without sacrificing security.

## BENEFITS

- » No service interruption
- » Secured solution
- » Optimized cost
- » Small installation footprint
- » Outstanding accuracy from 30A to 3000A
- » Installation in under 30 minutes

## A large dynamic range and exceptional linearity: 30 to 3000A



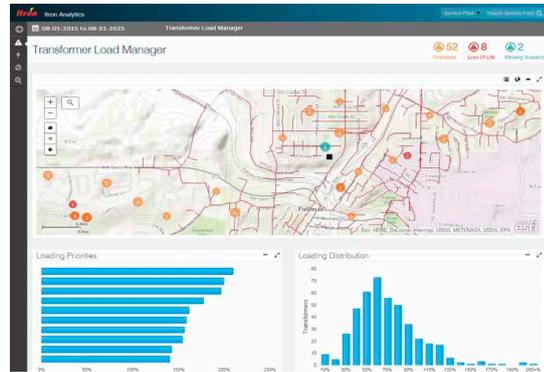
The DTM is a compact, safe and efficient solution for transformer monitoring.

Single sensor ranging from 30A to 3000A

## VOLTAGE MANAGEMENT

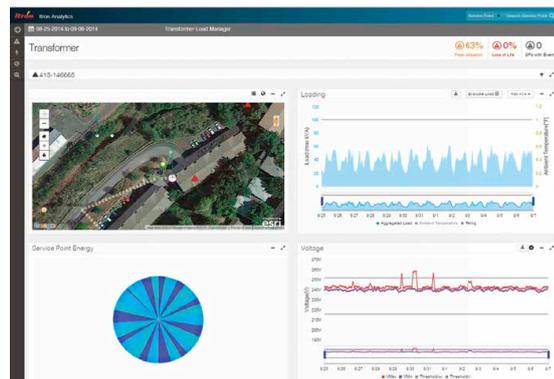
Itron's DTM solution allows:

- » Identification of over-utilized and at-risk transformers by phase
- » Monitoring of voltage on the LV side allows visibility to the distribution side of the transformer
- » Near real-time monitoring of the voltage network via alarms/push of data



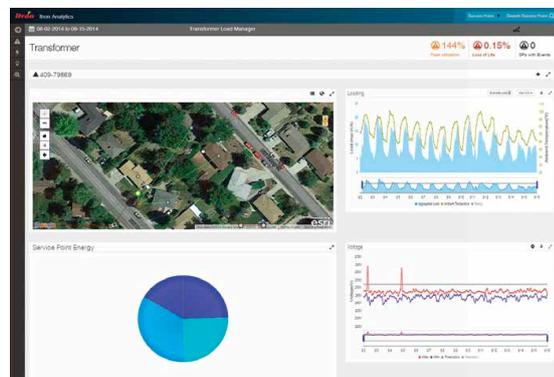
## TAMPER ANALYSIS

- » Identify and minimize non-technical losses on the grid
- » Reduce and eliminate unbilled energy consumption
- » Accurately pinpoint potential theft and provide near real-time data for analysis
- » Graphically illustrate where non-technical loss is occurring



## ASSET MANAGEMENT

- » Monitoring thermal conditions of the transformer without external intrusive transformer probe
- » Calculation of the ageing rate of the transformer
- » Estimation of active and reactive technical losses.



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