



TOATM with Monitor Watch

Get high-quality results from any DGA monitor

Power transformers are key to reliable grid operations, but long service life, workforce changes, and budget constraints are ongoing challenges. Outages or failures can have far-reaching consequences.

To help maintain uninterrupted grid operations, Monitor Watch integrates with any online Dissolved Gas Analysis (DGA) monitor to assess the health of electrical equipment. It silos monitor data and lab data and shows the interpretation of both, a comparative method that provides the most correct analysis of gas levels, ensures data precision, extends equipment life, and improves proactive decision-making for operational excellence.

up to
63%

of industrial and utility companies have experienced transformer failure in the past five years.

Source: Transformer Risk Report, MDEL

Benefits

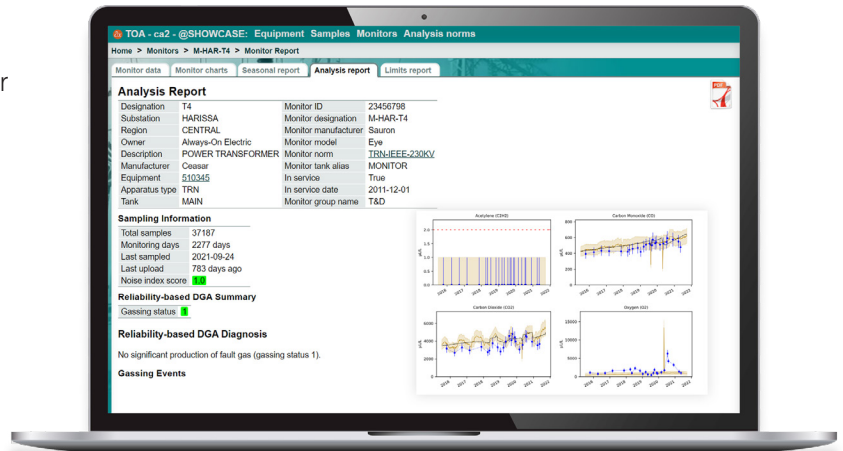
- Differentiates and analyzes lab and monitor data separately
- Centralizes and simplifies analysis and tracking of transformer health
- Helps identify faults earlier in their evolution
- Quantifies risk of continued operation
- Avoids false alarms and oversights by applying novel techniques not in IEEE standards
- Sends email alerts to key personnel of transformers that require immediate attention
- Optimizes deployment of high-cost resources and health-assessment based maintenance strategies

Monitor Watch solution

TOA with Monitor Watch brings online DGA monitor data to your TOA database, enabling advanced analytics on any variation of DGA monitor.

It supports data-driven maintenance and replacement decisions based on transformer risk rankings rather than the costly retiring of assets or time-based maintenance:

- Understand risk and act on needed improvements
- Re-center strategies to condition-based maintenance
- Prioritize transformer risk across the fleet with insights and assessments



Choose the monitoring solution that best suits your needs

Gas monitoring is an essential part of high-voltage transformer maintenance; it helps ensure optimal transformer performance and minimize failures.

- **Hardware-agnostic analysis:** integrates with any brand or model of DGA monitor, for high-quality fault detection and reliable analysis and identification, with minimal false alarms, regardless of your hardware choice.
- **Single-gas monitoring:** identifies when a fault is present and alerts you – further inspection is needed to diagnose the issue.

Monitor Watch interprets your online DGA data

- Brand-agnostic integration with online DGA monitors on power transformers, load tap changers and other liquid-filled electrical apparatus
- Automatically applies most correct DGA interpretation of gas combinations
- Visualizes online DGA monitor data with laboratory results
- Assesses noise and reliability of online DGA monitors
- Provides customizable, automatic notifications and diagnostic alerts

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