

From Fault Monitoring to Life Extension

Complete visibility of developing faults and insulation stress.
Active moisture management that extends transformer life.



VISIBILITY (MONITORING)

Detect developing faults and insulation stress in real time.

DOBLE MORGAN SCHAFFERS CALISTO 2

Hydrogen, Moisture & Carbon Monoxide Monitor

- Hydrogen (H₂) Monitoring**
Early detection of thermal and electrical faults
- Moisture (H₂O) Monitoring**
Tracks moisture in oil – a key driver of aging
- Carbon Monoxide (CO) Monitoring**
Indicates low energy discharge and paper degradation
- Continuous Online Measurement**
Real-time data for better insight and decision making



ACTION (MANAGEMENT)

Actively control moisture – the primary driver of insulation aging.

DRYTRANS MMS90 Online Moisture Management System

- Continuously removes moisture from oil and paper insulation
- Oil-Paper Equilibrium Control**
Maintains optimal moisture balance
- Advanced Molecular Sieve Technology**
High efficiency dehydration
- Safe, Online & Non-Intrusive**
Operates continuously while transformer remains in service

THE INTEGRATED APPROACH



KEY BENEFITS

- Early Fault Detection**
Prevent major failures with continuous online monitoring of H₂, H₂O and CO.
- Reduce Outages**
Address issues early and minimize unplanned downtime.
- Lower Operating Cost**
Reduce maintenance, dehydration and failure related costs.
- Extend Asset Life**
Actively control moisture and slow insulation aging to extend transformer life.
- Improve Reliability**
Enhance asset performance and grid stability.