

# INSIDEVIEW 6

Enterprise Intelligence to Drive Predictive Maintenance

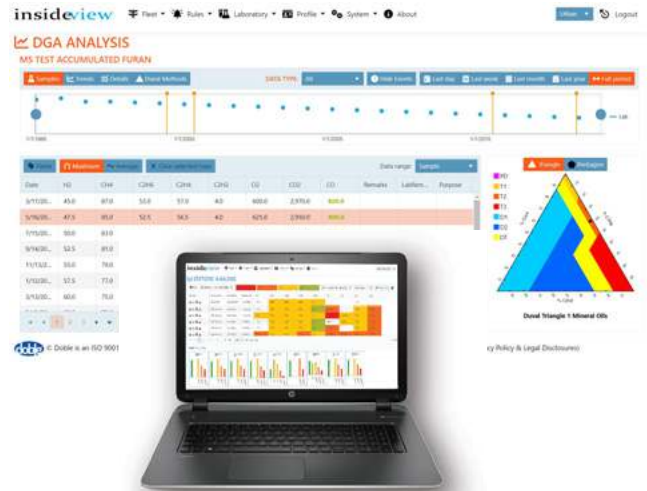
## Diagnostic Software for Managing Insulating Liquid Data

INSIDEVIEW® brings Doble's laboratory expertise to power transformers, load tap changers, bulk oil circuit breakers, and fluid filled cables for fleet management.

INSIDEVIEW evaluates more than 130 laboratory tests on liquid and solid insulation providing the most advanced DGA, oil quality and paper degradation analytics to optimize asset health management and predict failures. It offers native integration with Doble Laboratories and Calisto™ DGA condition monitors.

INSIDEVIEW offers comprehensive analytics based on the latest IEEE, ASTM, IEC, and Doble recommended data interpretation methods as well as customer defined criteria. It also offers customizable diagnostic reports and dashboards with system generated alerts and notifications.

Make critical oil-filled electrical equipment reliability decisions with confidence by leveraging INSIDEVIEW.



Gain a comprehensive view of fleet and individual apparatus health at a glance

## BENEFITS

- Optimizes asset health and predicts failures
- Customizable performance indices and assessment methods
- Centralizes fleet oil management for easy accessibility
- Comprehensive analytics based on Doble, Morgan Schaffer, IEEE, ASTM & IEC guidelines
- Simple, configurable enterprise administration
- Integration options with 3rd-party systems such as Maximo®, Oracle®, SAP®, Cascade™, etc.
- SaaS or on-premise solutions
- Industry leading cybersecurity compliance
- Seamless implementation process



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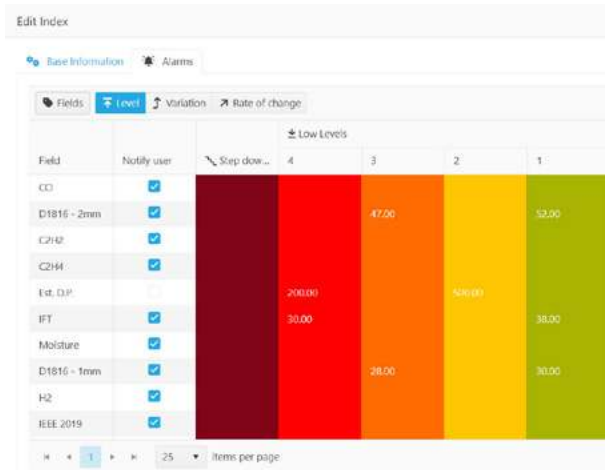
Integrates Data from Multiple Sources



Streamlines workflow between laboratories, experts, field personnel, and asset managers



Perform statistical analysis to identify outlier data to create custom alarm sets



Design Alarm Sets for Better Asset Management

## New INSIDEVIEW 6 features:

- Improved speed and performance.
- Optimized user interface for improved site navigation.
- New report, dashboard and performance index builder.
- Pre-selected page layouts by user profile type.
- New My Tasks view to see newly assigned Actions.

## FEATURES

### Centralizes fleet oil data management for easy accessibility

- Integrates off-line laboratory test data, on-line DGA monitor data, and portable DGA analyzer data
- Pre-selected IV user page layouts/tags features by user profile type.
- Enables customers to create customized health index calculations for better asset management
- Resampling management module helps determine timing of next sample
- Redesigned data import builder for improved test data governance
- Optimized for mobility applications

### Leverages Doble laboratory experience to bring most advanced DGA & oil diagnostics in industry

- Evaluates more than 130 laboratory tests on liquid and solid insulation
- Offers comprehensive analytics based on the latest IEEE, ASTM, IEC, and Doble recommended data interpretation methods as well as customer defined criteria
- Performs detailed DGA, oil quality, and paper degradation analysis as well as Duval triangles/pentagons, Rogers Ratio, etc.
- Allows users to ascertain fault severity by gas generations rates
- Incorporates NEI oil and NEI paper assessment methods

### Customizable dashboards provide comprehensive view of fleet and individual asset health at a glance

- Organizes overall fleet health risk into a single view
- Indicates new test sample data requiring review
- Flags assets where no monitor samples have been acquired in the past 24 hours
- Flags assets that have a change in condition status
- Flags assets that have new lab data ready for review
- Allows assets to be grouped by location, substation, etc. to simplify asset management



Doble Materials Laboratories, established in 1933, can perform over 200 laboratory tests on both solid and liquid insulation



Calisto R9



Calisto 9



Calisto 2

### Integrates on-line DGA condition monitoring data

- Native integration with Calisto® DGA condition monitors
- 3rd-party DGA monitor integration options through data historian

### Leverages Doble's laboratory, apparatus design, and field testing expertise

- Incorporates Doble load tap changer evaluation methodologies
- Offers analytics for more than 50 design specific LTC models
- Ability to create transformer design family specific diagnostics
- Incorporates latest analytics for alternative insulating liquids for natural esters, synthetic esters, less flammable hydrocarbons, and silicone oils
- Leverages Doble's research with advanced windfarm transformers based on recent, collaborative industry study
- Leverages Doble's extensive research with stray gassing, corrosive sulfur, and cellulose degradation

### Easy, seamless implementation

- Premier implementation service to meet your business objectives
- Data conversion from CSV / TOA4 format using Doble provided templates
- INSIDEVIEW test/QA environment option available in parallel to live, production environment

### Maximum data security and system performance

- On-premise or SaaS solutions leveraging state-of-the-art security delivered in Microsoft Azure Cloud data centers globally
- Routine penetration testing to mitigate cyber-security vulnerabilities
- Single sign-on (SSO) option available
- Active Directory with Windows based authentication available
- Data integration options for customer's integrations with CMMS solutions such as Maximo®, Oracle®, SAP®, Cascade™, etc.



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PUBLISHED: November 2022