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BROCHURE

DynamicMetrix

Dynamic Ratings

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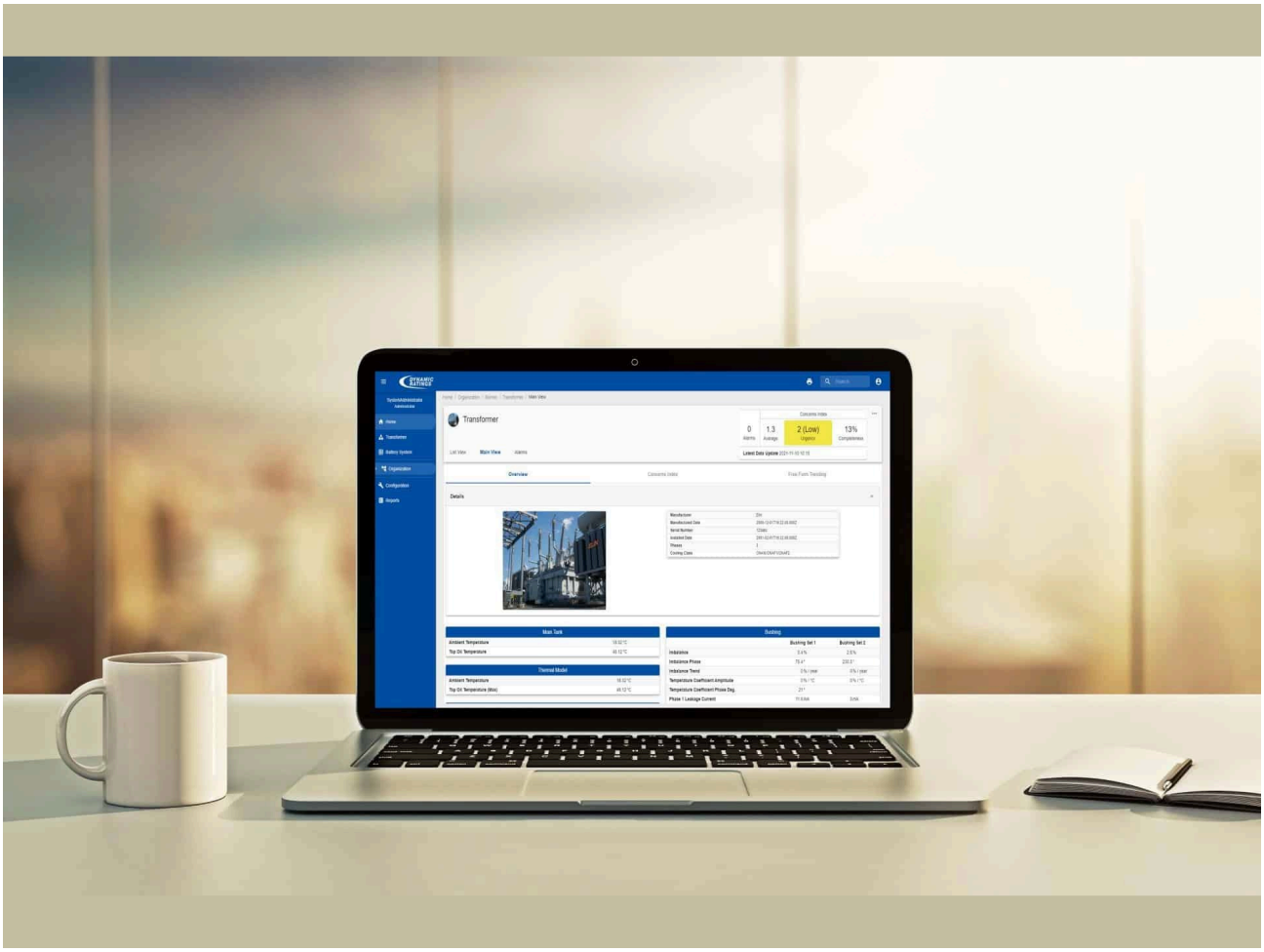


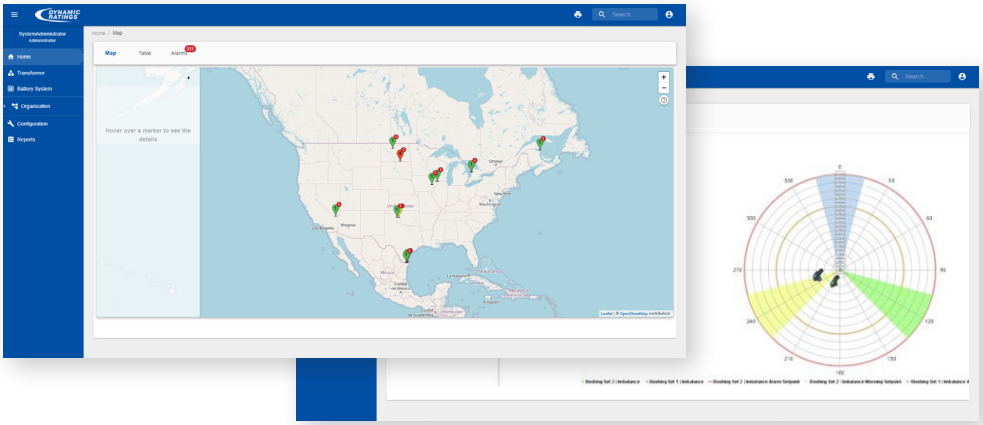
DynamicMetrix®

Visualization and Asset Management Software

Data Driven Approach to Asset Management

DynamicMetrix® is an asset performance management tool intended to improve productivity and efficiency of asset management. Online monitors on transformers, circuit breakers, switchgear and other power assets are sophisticated devices with an immense amount of valuable data.

DynamicMetrix® is a scalable software solution intended to simplify the user experience. The Desktop version provides engineering access to a single monitor for diagnostic purposes and is included with all Dynamic Ratings monitoring products. The Fleet version will pull data automatically from a large number of monitors, allowing asset managers to make prioritizing maintenance and risk assessment faster and without SCADA based protocol point mapping.



	DynamicMetrix® Desktop	DynamicMetrix® Fleet Lite	DynamicMetrix® Fleet Enterprise
Asset Monitor Management Tool: Connect to your Dynamic Ratings monitor to view data and perform diagnostics of assets.	✓	✓	✓
Software Usage: View and Trend Data: Ability to download view and trend asset alarms and data from your online monitors.	Free	Licensed	Licensed
Partial Discharge and Bushing Data: Ability to trend PD and bushing data.	✓	✓	✓
Concerns Index: An analysis of the health of the asset which may identify potential issues which allows prioritization of maintenance.		✓	✓
Geospatial Mapping: Map view of customer assets (where GPS coordinates are provided and requires online access).		✓	✓
Automated Data Retrieval: System connects to monitoring equipment and downloads/retrieves data automatically.		✓	✓
Role Based Access: Users have assigned roles (e.g. Administrator, Asset Manager, Maintenance Tech) that determine the functionality for the logged in user.		✓	✓
Real Time Data: Display data instantaneously from your Dynamic Ratings monitor as changes occur.			✓
Enterprise Security: SSO (Single Sign On), LDAP, OIDC (OpenID Connect) & MFA (Multi-factor Authentication)			✓

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With DynamicMetrix®, utilities collect and use condition information from high voltage electrical equipment to improve operational performance. The flexibility of this system offers unparalleled, cost-effective, asset management. DynamicMetrix® is able to aggregate data not only from Dynamic Ratings monitors, but also from third party devices, seamlessly integrating readings and data into one easily viewable solution. Using web-based technology, our product is designed to provide easily understandable information about asset status and health at a glance, whether it be current or historical data.

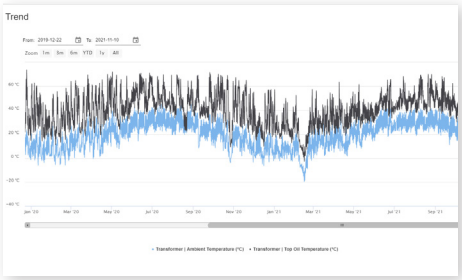
DynamicMetrix® Desktop is included with the purchase of any of our monitors. This program allows engineering access to your monitor to view data and perform diagnostics. Upgrade to DynamicMetrix® Fleet to pull data from all of your monitors: transformer, circuit breaker, or third party. This allows users to easily analyze data trends to make educated decisions about maintenance and risk management.

Features

Review Assets

- View the status of your asset by manufacturer, ratings, manufactured date, installed dates, and/or serial number.
- Review asset overview to quickly determine any risk to the overall health of the asset.
- Drill down to analysis for loads, temperatures, moisture, DGA, cooling and alarms.

Analyze Data Trends



- Compare factors contributing to asset health using real time and historic trends.
- Highlight important trends and operating statistics using embedded analytics or conduct your own research using data filters.
- Display alarm setpoints and monitored asset data.

Take Action in the Field

- Field repairs extend the life of the asset.
- Actionable information improves up front planning reducing multiple trips resulting in improved safety.
- Timely information results in improved performance allowing system adjustments and improved overall situation awareness resulting in better asset utilization.

Server Requirements

- 8 core CPU • 16GB of RAM
- Recommended 4TB of Disk space for data storage (maybe adjusted based on number of devices and desired historical data retention period).
- Local storage is recommended, SAN based solutions such as iSCSI or Fibre Channel are supported, but NAS over SMB/CIFS is not supported.
- HTTP/HTTP2/HTTPS needs to be enabled in the firewall to allow client computers to connect to it.
- Windows Server 2016 or higher (2022 is strongly recommended) with a full user interface (no headless).

DYNAMIC RATINGS

An ISO 9001, ISO 14001, ISO 27001, ISO 45001 Certified Company.

Americas
+1 262 746-1230
sales.us@dynamicratings.com

Asia Pacific
+61 3 8544-0700
sales.asia@dynamicratings.com

Europe/ Africa
+44 1617 681111
sales.eu@dynamicratings.com

www.dynamicratings.com

Request a quote from your regional office.

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