



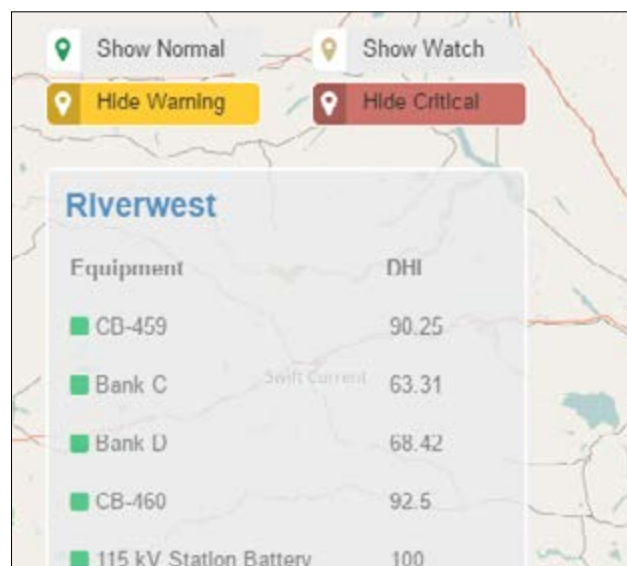
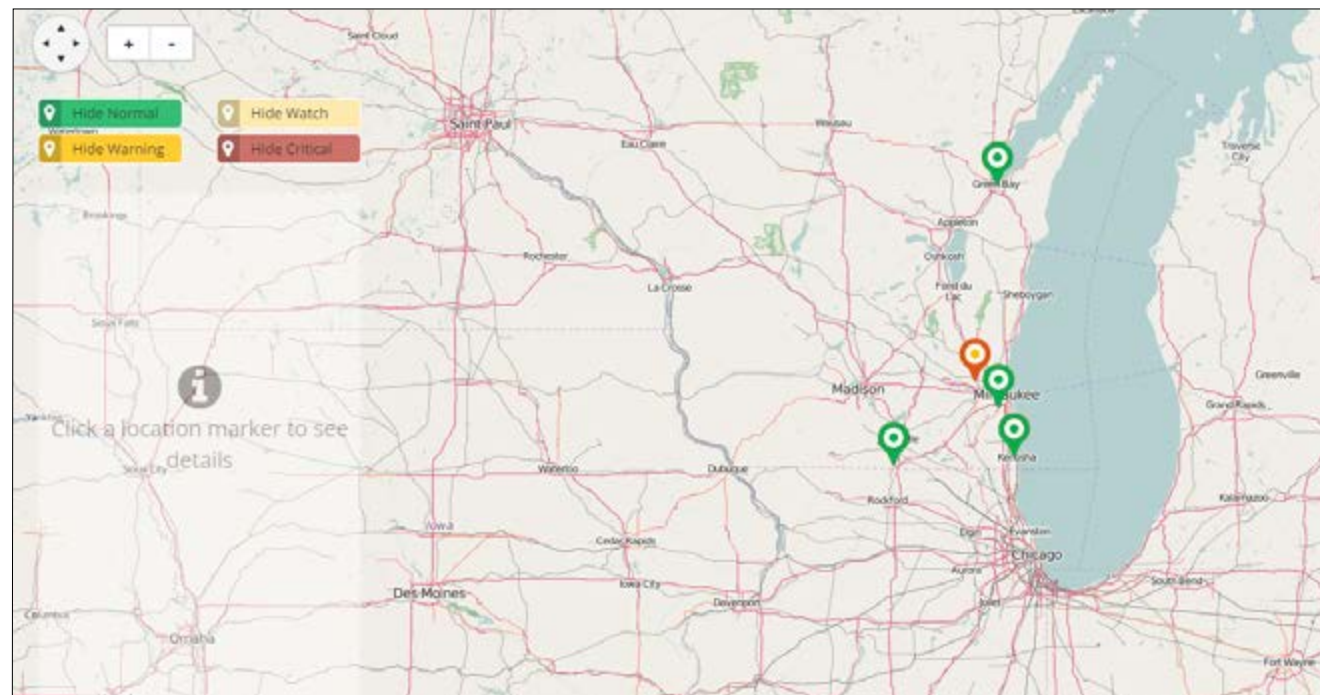
DynamicMetrix[®]
VISUALIZATION AND ASSET MANAGEMENT SOFTWARE



BRINGING THE CONDITION BASED MAINTENANCE SYSTEM TOGETHER.

DynamicMetrix® is a visualization and asset management system for power generation, transmission and distribution assets.

Using this software, utilities collect and use condition information from high voltage electrical equipment to improve operational performance. DynamicMetrix® is able to aggregate data not only from Dynamic Ratings online condition monitoring devices, but also from third party devices, databases, test equipment and visual inspections, seamlessly integrating readings and data into one easily viewable solution. Using cutting-edge and industry accepted analytics, the product is designed to convert large amounts of data into actionable information about asset status and health at a glance, whether it be current, historical and/or lab data. A modern web based interface makes accessing and viewing easy and efficient.



DynamicMetrix® provides an overview of total system assets and substations using intuitive color schemes to show the overall status of system assets.

By clicking on a location (substation) marker one can easily see the specific equipment in the substation, the overall condition and the health index for each asset.

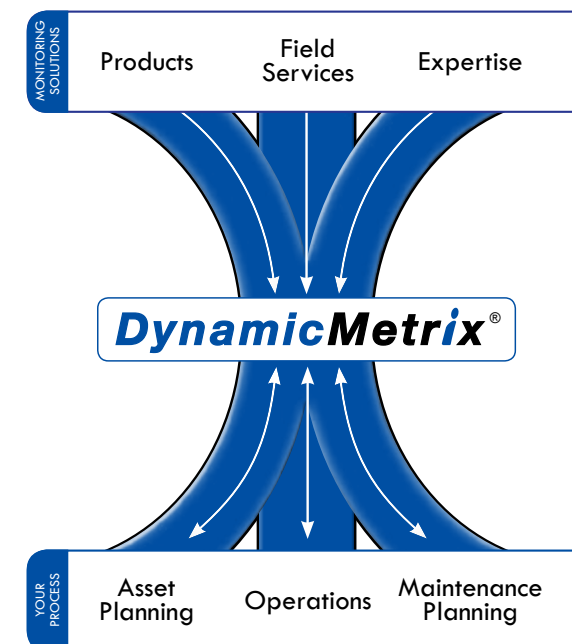
From this view, the asset management team, operations team, and maintenance team can drill deeper into the assets and obtain the specific information required to take appropriate actions.

Dynamic Ratings provides condition based monitoring solutions extending from the electrical equipment to all the various users of the information. Our systems deliver accurate and reliable information to the right people, in the right format to drive business decisions.

Products: Dynamic Ratings offers a wide range of sensors and monitoring products. We also incorporate third party products and sensors as needed to ensure the best solution for each monitoring task.

Field Services: Our field service teams are specialists in monitoring system installation, commissioning and substation communications. Our services range from supervision and commissioning to full turn-key installations including project management.

Engineering Services: The experience of our engineering team provides guidance to improve the reliability and cost effective design of the overall system. Our application engineering team provides customized drawings for the monitoring and communication equipment. An experienced principal engineering team ensures the system continues to deliver an ever-increasing level of value.



DynamicMetrix® consolidates the condition data from both online monitors and from other data sources. The data is analyzed and organized to deliver information in an efficient manner.



Asset Planning: Real-time information from the system reduces the risk of unexpected failures, making life extension possible and identifying opportunities for significant capital savings. The asset planning department uses the non-reversible health condition information to create asset replacement plans.

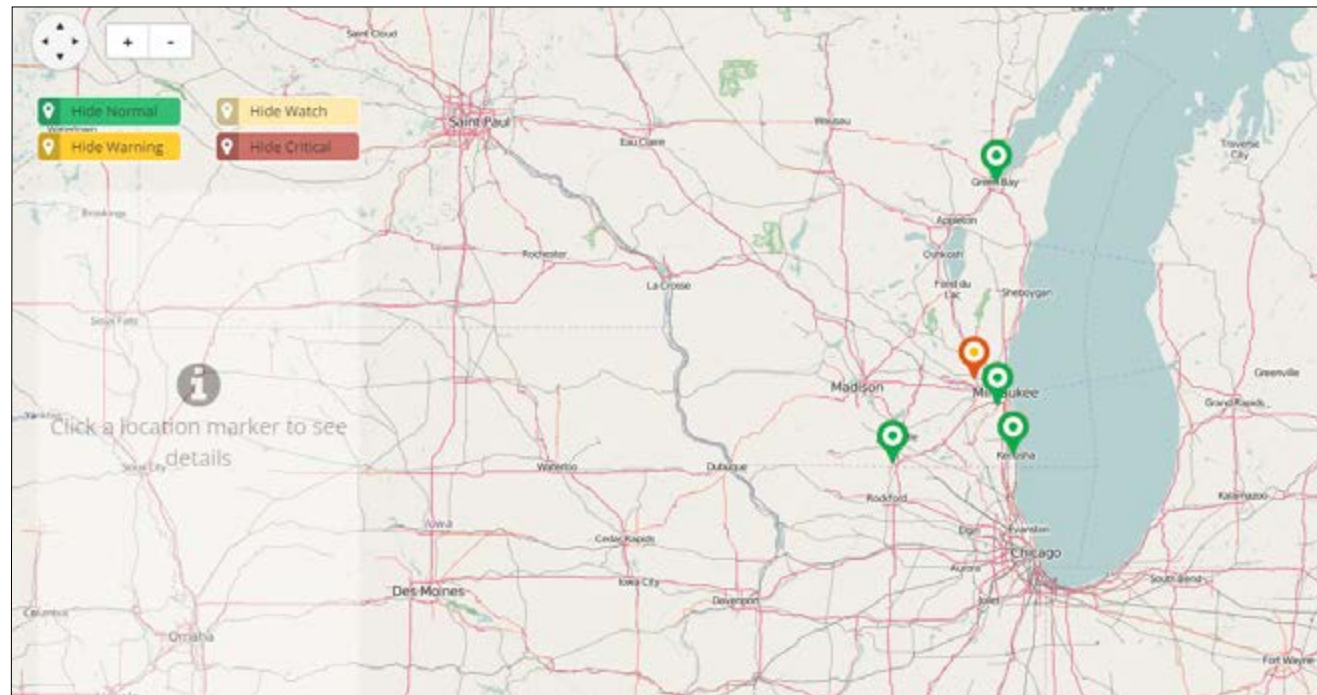
System Operations: The real time dynamic rating calculations consider equipment issues that affect the maximum safe load on equipment. This situational awareness enhances the system operators' judgment to adjust load flow before failures occur.

Maintenance: Alarms provided through the system make the maintenance department aware of problems earlier, and thus easier to fix. Also, by bringing back detailed information, diagnosis can be made and resources for repair can be coordinated to implement corrective actions in one trip, saving time and money.

BRINGING THE CONDITION BASED MONITORING, CONTROL & COMMUNICATIONS SOLUTION TO YOUR ASSET.

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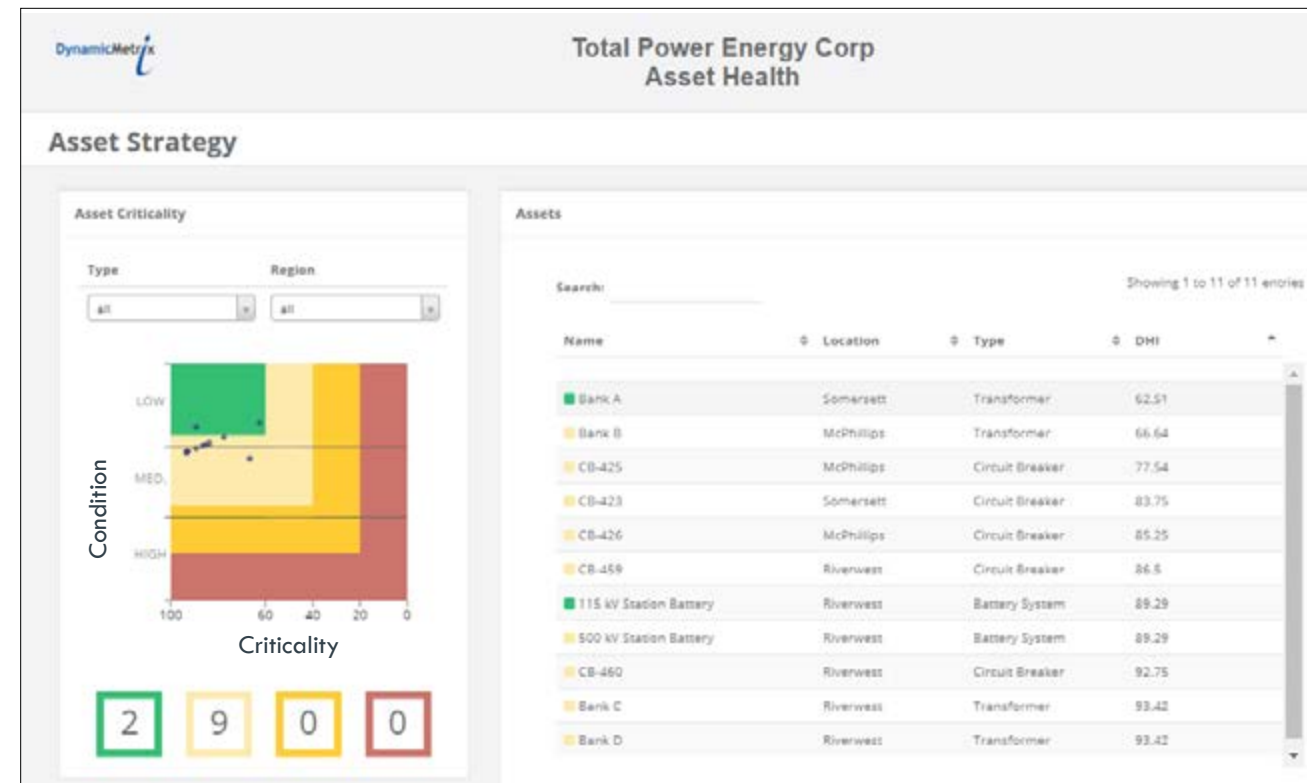
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Equipment	DHI
CB-459	90.25
Bank C	63.31
Bank D	68.42
CB-460	92.5
115 kV Station Battery	100

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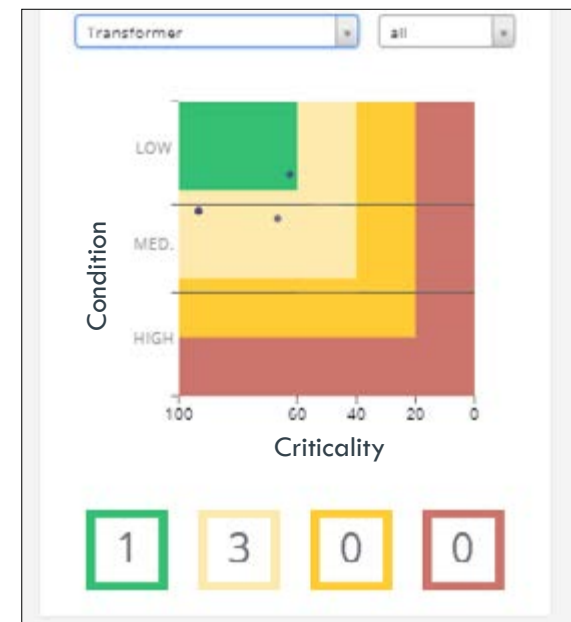
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Condition (probability of failure) and criticality (consequence of failure) is shown for each asset in a risk assessment view. This calculation and banding can be customized to meet utility and regulatory requirements. Filters provide the ability to easily focus on assets of a specific type or based on location.

Equipment specific screens display the asset condition, health and capacity for transformers, tap changers, circuit breakers, switchgear, batteries, generators, iso-phase bus, motors and other critical power assets.



Filter by Asset Type

- Identify assets with potentially higher risk and criticality to deploy resources properly ensuring safe and reliable operation of the system.
- Drill down on specific high risk assets to improve system reliability.
- Report condition of the system, as well as specific assets.



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, alarms, customizable screens or custom analytics.

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.

DynamicMetrix® PUTS YOUR DATA IN CONTEXT.

Dynamic Ratings Technology Partners



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