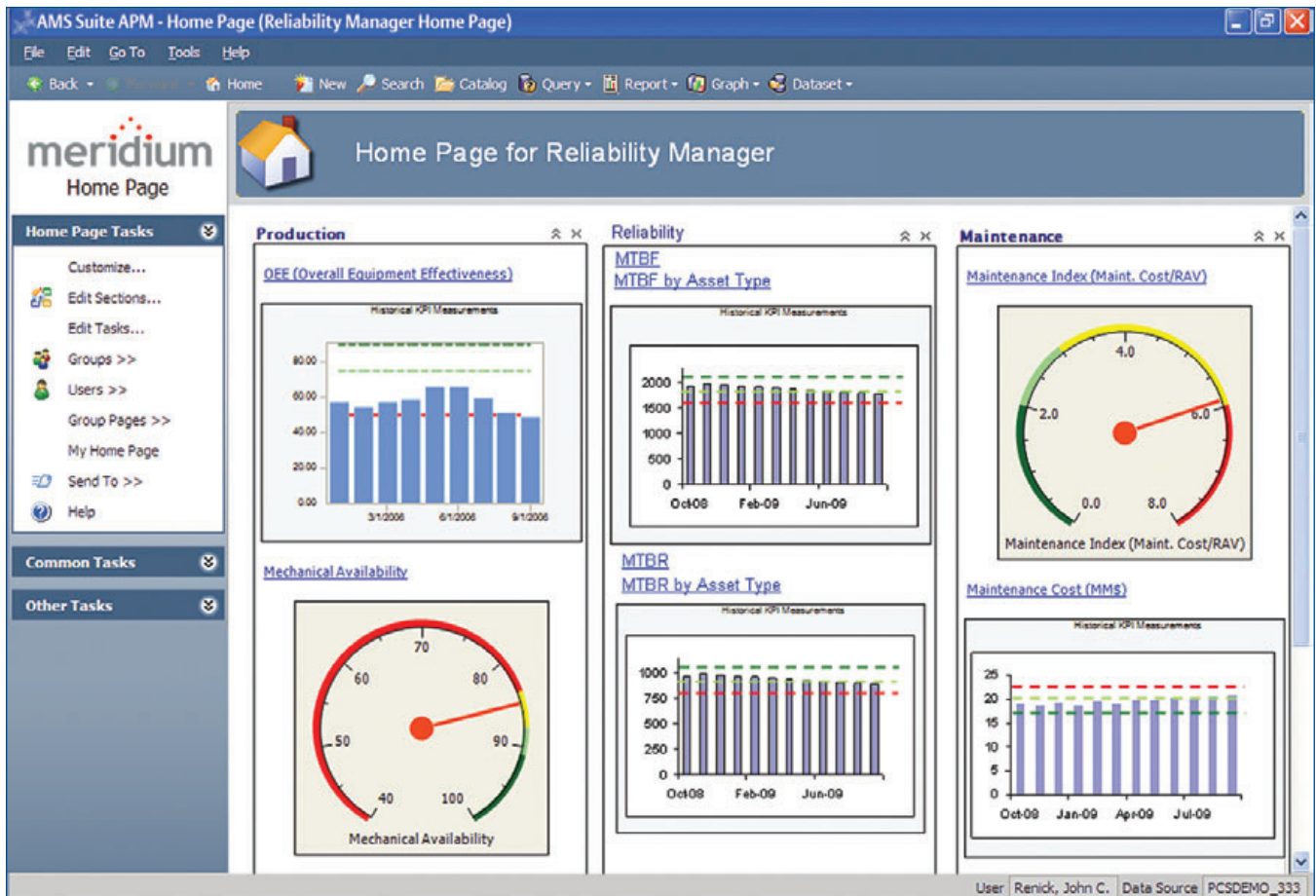


AMS Suite: Asset Performance Management



Quickly access the asset health information you need to keep your plant running smoothly.

- Reduce the complexity of today's plant environment with tools that help plant management make better business decisions
- Combine predictive intelligence with asset reliability information and decision support for smarter business decisions
- Provide real-time analytics and reporting that enable new levels of insight into asset performance for continuous improvement
- Set goals for you operation and utilize information to monitor progress for increased profitability
- Zero in on bad actors and highlight opportunities for improved maintenance and operations practices

AMS Suite: Asset Performance Manager Takes Diagnostics Information to the Next Level

As plants become more complex, the role of plant management becomes more challenging. While plants today have benefited significantly from predictive technologies, maintenance management systems, and documented work practices, managers have lacked the ability to easily access volumes of data in ways that would enable strategies for additional improvements to reliability and overall plant performance. AMS Suite: Asset Performance Management, built on Meridium's APM software, enables you to quickly access integrated information from multiple data sources, view real-time analyses and reports of asset health and availability, and devise management strategies to reach new levels of performance.

Improve Operating Efficiency and Profitability

As a manager, you have thousands of pieces of equipment that run 24 hours, 7 days a week. You need to have real-time information that allows you to make decisions based on facts that impact your bottom line. AMS Suite APM helps identify and prioritize the risks to your production. It streamlines identifying bad actors, and highlights opportunities for improvement to make your operation run more efficiently and profitably.

AMS Suite APM delivers a unique set of tools that allow you to view, define, and measure plant performance metrics. You will:

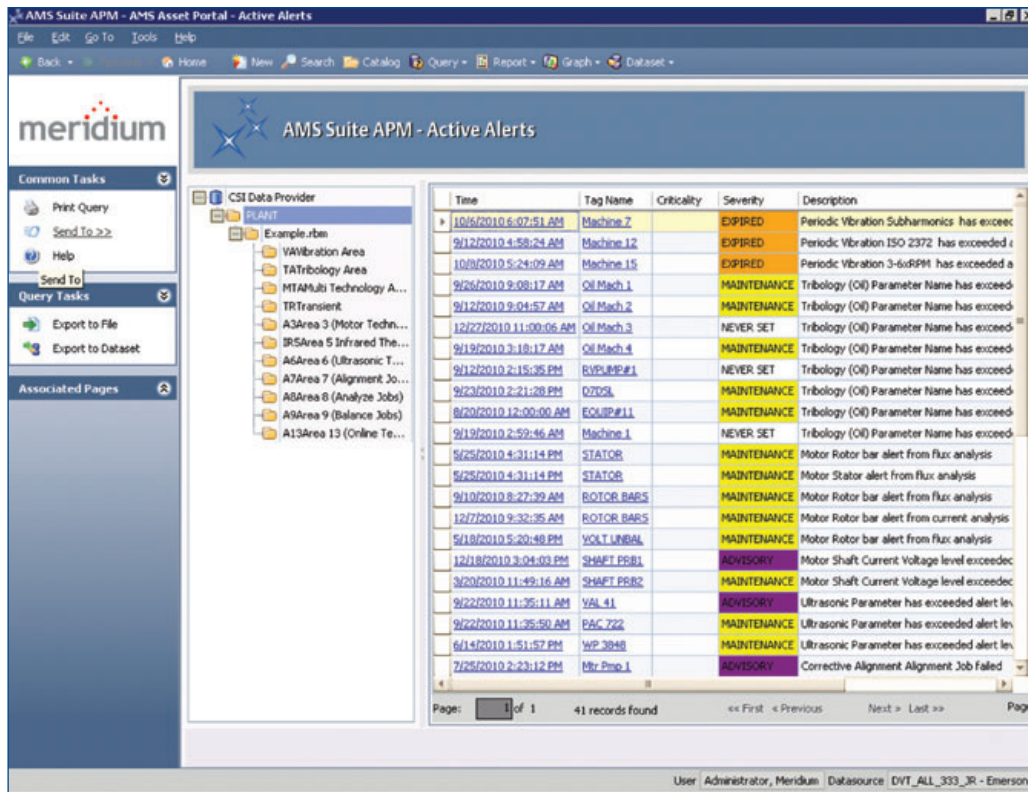
- See how well critical assets are performing
- Create meaningful queries and reports that facilitate decision making
- Understand your plant's health and areas that need improvement
- Define information that enables long-term performance monitoring and production strategies

Comprehensive Picture of Asset Health with AMS Analytics

The AMS Analytics module uses the power of predictive intelligence to improve plant performance by delivering accurate, real-time data to aid decision making. Integrate data from thousands of instruments and other assets throughout your plant. You see not only alerts and events that are happening with your assets, but a wealth of information on asset health as well. This view of asset health helps you predict, detect and correct conditions that can lead to equipment failure or process upsets before they result in an unplanned shutdown.

AMS Analytics can shorten planned shutdowns by allowing you to know in advance which equipment needs attention and which does not, avoiding unnecessary work and prolonged downtime.

Create Asset Recommendations or suggested actions for asset care that you want personnel to follow when certain conditions occur. These recommendations capture expertise and create a historical record of maintenance activities that you can link to specific assets to aid future maintenance needs.



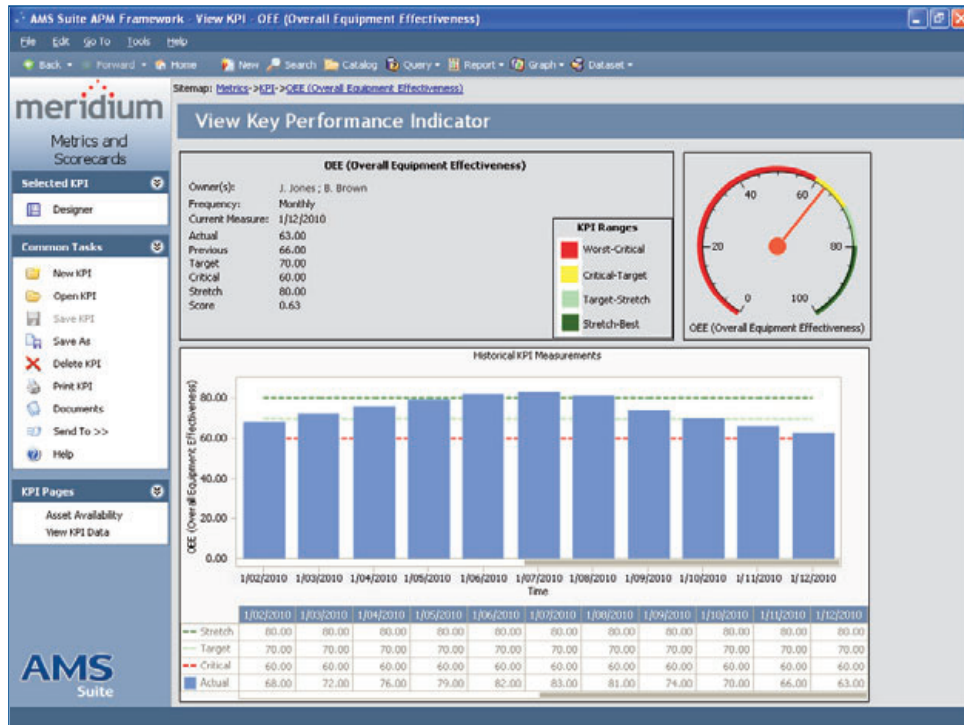
See a list of active alerts to quickly identify production areas at risk.

scenario

At the start of the day, you walk into your office and see an email that alerts you that your plant is not running as efficiently as it should. The email shows you the Key Performance Indicators for Overall Equipment Efficiency is beginning to dip in one of your process units. By clicking a link in the email, you go to your personal home page, which provides even more information on the declining efficiency.

When you look at the active alerts for the unit, you see a critical valve that has several travel deviation alerts, causing a problem with fluid levels down the line. You click another link to

view recommendations, including a historical record of actions taken when this issue happened before. You create a work order, attach the recommendations, and send it to your EAM/CMMS system for immediate attention by maintenance. Then you monitor progress on the work order throughout the day to ensure the issue is resolved. You can even email status updates to key people in your organization. Think about your current processes. Wouldn't access to this crucial information support decisions and allow you to improve your plant's operation, reliability, and profitability?

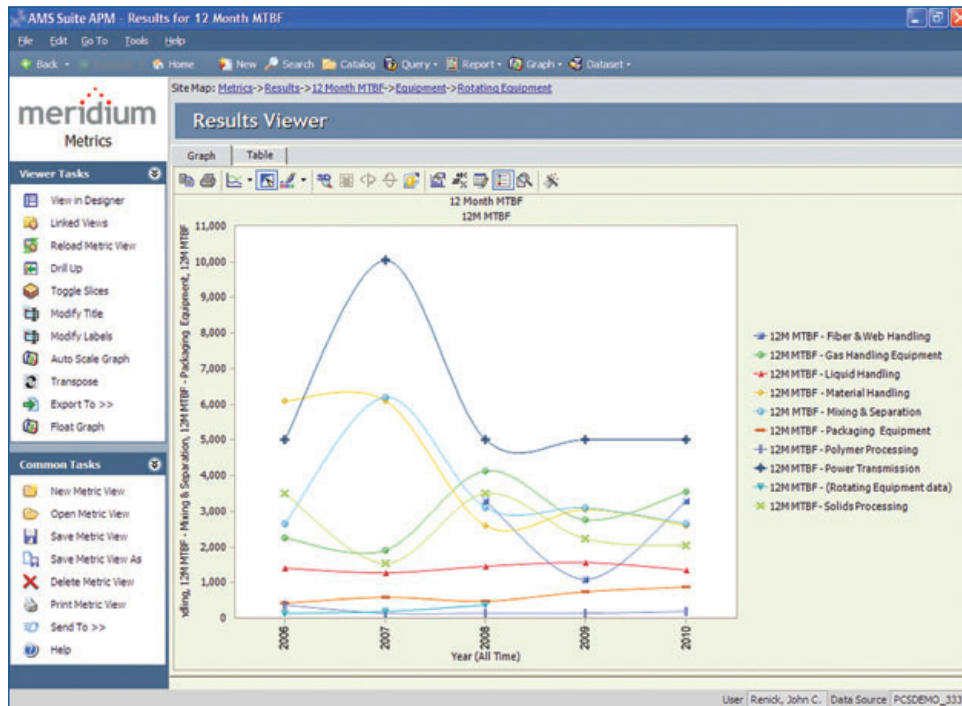


By measuring KPIs, you can implement, monitor, and continually improve maintenance best practices.

Create Key Performance Indicators and Metrics to Drive Continuous Improvement

With today's uncertain economic trends, it's important to have a solid asset management strategy. The cornerstone of any performance improvement program is the definition and implementation of a measurement system to document actual progress against strategic goals. In the context of an Asset Performance Management initiative, using tools such as the Metrics and Scorecards module of AMS Suite APM, to measure the output, costs, failure rates and compliance of production assets is key to understanding how an asset is performing relative to the overall strategy. With clear visibility of poorly performing equipment and strategies, asset owners can implement, monitor and continually improve best practices to optimize utilization and costs.

AMS Suite APM provides a framework to document and align strategies, translate the strategies to operational teams, and to measure the effectiveness of those strategies. By providing visibility to the initiatives and performance measurements, the Metrics and Scorecards module ensures that decision makers, at all levels of the organization can easily follow up on corrective actions to drive continuous improvement.



View metrics as charts and graphs to analyze trends such as rates of failure over time. In this example the dark blue line show a spike in power transmission has settled into a normal state. The medium blue line indicates Fiber and Web Handling dropped, but is now creeping up.

Easily Integrate Offline Asset Information with Operator Routes

Operators are familiar with day-to-day condition of equipment. They often go into the field with paper logs to visually inspect the condition of offline assets. With the Operator Rounds module of AMS Suite APM, you can easily integrate route management tasks with an application that can be deployed on a wide variety of handheld devices for data collection. Operators can perform step-by-step tasks with instructions explaining what to do and how to react to situations in the field.

This information can be uploaded into AMS Suite APM and integrated with online information to give you a complete picture of how well all of your assets are performing.

Utilize the Asset Health Indicators application with Operator Rounds to define health values for offline assets by setting colors to red, yellow, or green indications. When operators go into the field to assess offline assets, they can assign health values to these assets.

Integrate Information to Your Business System

When maintenance and reliability managers receive more integrated, real-time information to determine that maintenance dollars are being spent on the most critical areas, they gain greater business returns from their operations. This extension to AMS Suite easily accesses the predictive information you need and combines it with CMMS/ERP data to deliver an integrated view. The result is that the islands of asset information from across the plant or the enterprise are integrated in a proven solution that helps you make the best decisions for improved asset performance and plant reliability.

Asset Optimization Services

Get off to a strong start with your technology investment. Use Emerson's Asset Optimization Services to ensure you are effectively employing AMS Suite APM. Asset Optimization Services experts provide advanced Asset Performance Management solutions. Our dedicated professionals have the expertise, processes and training solutions needed to deliver asset availability and optimum asset performance.

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