AMS Suite with Meridium’s APM Framework

- 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 your operation and utilize information to monitor progress for increased profitability
- Identify bad actors and highlight opportunities for improved maintenance and operations practices

Take 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 interfaces with Meridium’s APM framework to enable you to quickly access integrated information from multiple data sources, view real-time analysis 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 and APM integration help 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 and APM deliver 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 performance monitoring and production strategies
- 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

AMS Analytics 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.

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?
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. Using tools such as the Metrics and Scorecards module of 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.

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.

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 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 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.

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

View metrics as charts and graphs to analyze trends such as rates of failure over time.
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. Interfacing AMS Suite with APM delivers easy access to the predictive information you need and combines it with CMMS/ERP data for 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.

Reliability Consulting Services

Get off to a strong start with your technology investment. Use Emerson’s Reliability Consulting Services to ensure you are effectively employing AMS Suite. Our dedicated professionals have the expertise, processes and training solutions needed to deliver asset availability and optimum asset performance.

Certified Services

Emerson experts have completed the requirements to be certified as Meridium Certified Service Providers, leveraging the capabilities of Meridium software to support you in Asset Strategy Management and Asset Criticality Analysis. Contact your local Emerson representative to understand how AMS Suite can bring easy asset performance management and improved business results at your facility.


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