SAP Solution Brief
SAP Enterprise Asset Management

SAP BusinessObjects Asset Analytics

Better Asset Performance with Asset Analytics Software from SAP

Quick Facts

Summary

SAP® BusinessObjects™ Asset Analytics software helps you track performance of the physical assets on which your organization depends for ongoing business success. Integrated with the SAP Enterprise Asset Management (SAP EAM) solution, this analytical application helps you set up asset management goals that align with organizational strategy. It then uses existing data from SAP EAM to help you assess risk, identify bottlenecks and their root causes, and make changes for continuous improvement.

Business Challenges

- Evaluating asset performance across the organization
- Forecasting future asset performance
- Identifying root causes of performance issues
- Prioritizing asset performance goals and aligning them with organizational strategy

Key Features

- **Asset performance tracking** – Use a single data repository with predefined or customized key performance indicators (KPIs) to analyze asset performance
- **Root cause analysis** – Understand the relationships between KPIs for better insight into overall asset performance
- **Scorecards and alerts** – Use scorecards to calculate performance and generate alerts when KPIs deviate from benchmarked values
- **Integration** – Pull data from SAP EAM to feed KPIs that track performance
- **Rapid deployment** – Get up and running in a matter of weeks with a fixed-scope implementation that minimizes your risk

Business Benefits

- **Improve asset utilization** by devising proactive strategies to ensure the availability of equipment
- **Reduce costs** by eliminating maintenance delays and duplication of work
- **Improve adherence to budget** by reducing the need to liquidate funds
- **Ensure better compliance** by consistently reviewing asset management strategies

For More Information

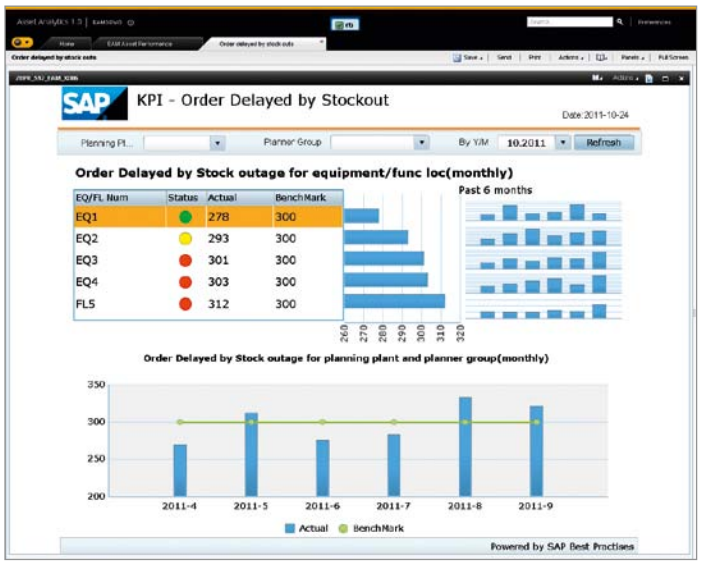
Call your SAP representative today, or visit us online at www.sap.com/asset-analytics.

The performance of capital equipment and other key assets has a direct impact on the cost of operations. Companies that manage performance most effectively are able to increase the availability of their assets and drive greater profitability. This is why many companies depend on SAP® BusinessObjects™ Asset Analytics software. This analytic application helps you monitor asset management processes so that you can optimize performance and increase your return on assets.

Enterprise assets such as plant facilities and capital equipment each have a defined set of capabilities – and businesses seek to maximize their performance throughout the asset lifecycle. How efficiently an asset performs largely depends on your ability to continuously monitor, maintain, and manage it. This capability, in turn, depends on how easily you can collect key asset metrics and manage asset-related processes.

Yet far too often, asset information is spread across siloed data stores, inaccessible to asset managers who must track a wide range of issues. Concerns may include spare parts, safety and environmental records, maintenance schedules, equipment failure rates, budget adherence issues, and overall availability rates – to name just a few.

Figure: Asset Management Benchmarks for Measuring Planned Versus Actual KPIs



Organizations also may find it challenging to create and maintain an exact vocabulary to describe metrics that measure asset performance. Without a clear model in place to analyze interdependencies among diverse metrics, it's not always easy to understand how various pieces of information impact performance overall.

The SAP BusinessObjects Asset Analytics rapid-deployment solution can help. Integrated with the SAP Enterprise Asset Management (SAP EAM) solution, the rapid-deployment solution helps you consistently analyze how assets perform in terms of reliability, availability, maintainability, cost, safety, and sustainability. The analysis confirms that assets are monitored and managed in a way that aligns with your organizational strategies and goals. It also enables you to evaluate asset management processes, so you can identify areas for improvement that increase asset availability while reducing operating costs.

USE STANDARD METRICS

To obtain best results from your asset management initiative, it is essential to monitor performance uniformly using a list of uniquely identified parameters. To help you, SAP BusinessObjects Asset Analytics offers a preconfigured list of standard key performance indicators (KPIs) and corresponding reports. While you can create additional KPIs as you wish, you are not tasked with the chore of creating commonly used metrics from scratch. This saves you a tremendous amount of time.

Based on cross-industry best practices, these KPIs give you 360-degree visibility into asset performance. Leveraging the SAP BusinessObjects Business Intelligence (BI) platform, the software converts data from SAP EAM into actionable insight. It also projects the future performance of assets and

provides alerts when performance deviates from benchmarks. Thus, you can plan more effectively and correct unsatisfactory performance before you feel the financial impact.

TRACK ASSET PERFORMANCE THROUGHOUT THE ENTERPRISE

Maintenance engineers tend to focus only on their individual areas of responsibility, which prevents them from seeing how their work impacts other areas. When asset management data is spread out across the enterprise, maintenance engineers lack the global visibility they need to collaborate with colleagues in related areas and to leverage work that has already been completed. This inability to view assets globally leads to wasted time and money.

By integrating with SAP EAM, SAP BusinessObjects Asset Analytics helps your organization understand how assets are performing in an enterprise-wide context. You can combine asset management KPI data with data from supply chain, finance, and procurement sources, and then view this data side-by-side on mobile devices such as your smartphone or tablet computer. Additionally, the software includes a unified semantic layer and a comprehensive suite of tools that support executive dashboards, reporting, and advanced graphical analysis of asset management data.

MANAGE RISK WITH SCORECARDS AND ROOT CAUSE ANALYSIS

Asset management activities can directly impact core business processes and the overall operational performance of your organization. For example, a poorly maintained asset can delay the production of certain goods and impact your company's top line.

To address this challenge, SAP BusinessObjects Asset Analytics supports scorecards that help you create and analyze asset performance metrics to mitigate risks. The application also understands the dependencies and interrelationships between KPIs so that you can better identify the root cause of performance issues. You can even use historic information captured in the application to predict risk and take action to avoid problematic situations. In the end, you're able to substantially reduce the risk associated with assets throughout your organization.

COMPARE PERFORMANCE AGAINST STANDARD METRICS

With more than 30 KPIs, SAP BusinessObjects Asset Analytics provides full visibility into the enterprise-wide performance of your asset portfolio. Displayed in easy-to-understand dashboards, as depicted in the figure, the KPIs enable you to measure planned versus actual values, so you can proactively identify patterns and resource trends that impact asset availability. The software supports diagnostics, alerts, and contextual guidance, helping you to identify potential problems as quickly as possible. You also gain visibility of all your KPIs – in near-real time – from a single repository, which is based on SAP EAM data collected from assets across all of your operational silos. These KPIs are based on extensive industry knowledge, enabling you to stay informed about asset performance issues such as maintenance, reliability, availability, supplies, and sustainability.

OPTIMIZE AVAILABILITY AND COST

SAP BusinessObjects Asset Analytics helps you increase availability and optimize costs by collecting and analyzing operational information and providing prompt feedback. Thus, you can react quickly to correct any deficiencies identified. In addition, the software allows you to define new metrics and customize dashboard views. You can also change relationships and definitions for KPIs and immediately see the results of those changes, as well as change scorecard contexts as your asset management strategy evolves. And as business requirements and metrics architectures change, data structures built into the software help assure information integrity without expensive project rework.

Integrated with the SAP EAM solution, the SAP BusinessObjects Asset Analytics rapid-deployment solution helps you consistently analyze how assets perform in terms of reliability, availability, maintainability, cost, safety, and sustainability.

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RAPID DEPLOYMENT

Because it's a rapid-deployment solution, SAP BusinessObjects Asset Analytics can be up and running for your organization in a matter of weeks – all according to an affordable, fixed-scope agreement. You get preconfigured software complete with powerful analytics for a rapid return on investment. The SAP Consulting organization performs the implementation according to a pre-approved, up-front deployment plan that clarifies cost and scope issues – taking the risk and guesswork out of your project and helping to get you up and running as quickly as possible.

BENEFITS OF ASSET ANALYTICS

By enabling you to devise proactive strategies to ensure the availability of critical equipment, SAP BusinessObjects Asset Analytics helps you dramatically improve asset utilization. It also helps drive down asset management costs with tools for tracking maintenance, eliminating duplication of work, and fostering collaboration throughout the organization. In the end, you'll have the visibility and controls you need to adhere to budgets and to follow through on asset management strategy. Thus, you reduce the total cost of ownership for the assets you depend on to run your business – which makes you more competitive in an increasingly crowded marketplace.

LEARN MORE

To find out more about how SAP BusinessObjects Asset Analytics software can help your organization maximize the value of critical assets throughout the enterprise, contact your SAP representative today or visit us online at www.sap.com/asset-analytics and www.sap.com/eam.