

ABB Ability™ Ellipse® EAM Analytics

Unlock the value of transaction data to drive business performance improvement



Ellipse EAM Analytics is an essential tool for assisting asset-intensive organizations with better decision making. Data is transformed into timely graphic reports and dashboards; easy-to-read visuals help the business understand data changes and deliver faster decisions. This data analysis provides workforce productivity benefits with quick implementation time.

Adding value to your business

Ellipse EAM Analytics provides a range of standard reporting and dashboard templates across the business, which are easily created via drag-and-drop tools. The analytics capability within Ellipse¹ is built upon Microsoft® SQL Server® and the Power BI™ reporting platform. This software enables interactive visualizations of KPIs and performance metrics, providing drill-through to detailed reports and enabling reports to be scaled to phones and tablets.

Ellipse EAM Analytics includes over 30 core report and dashboard templates delivered with the solution. Additionally, the reporting platform is extensible, enabling you to augment the data warehouse with the Ellipse data you want, as well as potentially incorporate data from external third-party systems.

The core Ellipse EAM Analytics templates are offered in the following five² business areas:

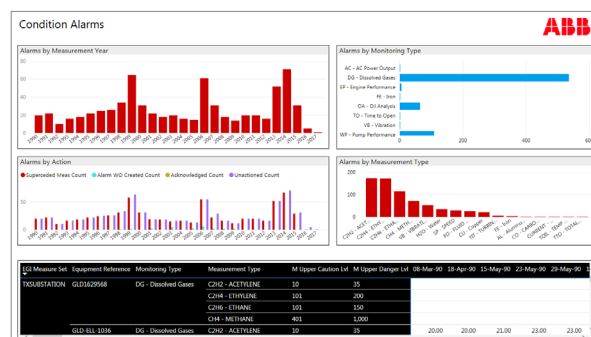
- Asset Intelligence
- Work Intelligence
- Materials Intelligence
- People Intelligence
- Corporate Intelligence

Asset Intelligence

Provides engineers, work planners, maintenance managers and supervisors with needed asset data via analytics models, such as³:

- Equipment Costing
- Condition Monitoring
- Inspections Analysis

For example, the Condition Monitoring analytics model enables reporting on condition monitoring assets and associated alarm measurements, as well as predictive measurement levels over the life of the component.



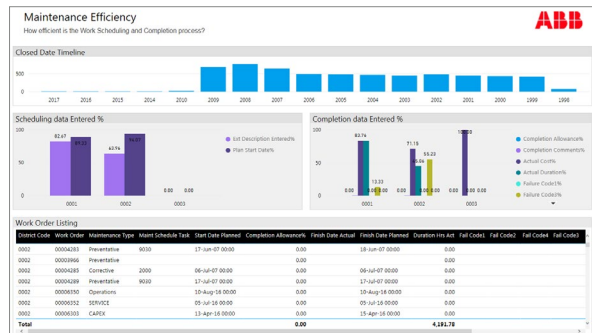
Condition alarms

Work Intelligence

Provides maintenance technicians, managers, engineers and supervisors with needed asset maintenance data via the analytics models, such as:

- Maintenance Efficiency
- Equipment Efficiency by Equipment Group Identifier
- Work Requests

For example, the Maintenance analytics model enables reporting on work order information with estimated and actual costs. Additional information includes employee details for the work order originator, the authorizer, the assignee and the work order completion employee, and related project and equipment details.



Maintenance efficiency

Materials Intelligence

Provides procurement, inventory managers and supervisors with needed warehouse and supplier data via analytics models, such as:

- Purchasing Effectiveness – Supplier Performance
- Obsolete Inventory
- Surplus Inventory

Ellipse EAM Analytics is ready to help build your team's productivity. As technology advances, ABB remains committed to developing the analytics capability within Ellipse EAM, while retaining a path that reduces the impact and risk to your organization.

For example, the Inventory analytics model enables reporting on inventory information across all districts. This provides analysis of inventory value, usage, service levels and turnover.

People Intelligence

Provides planning, HR and supervisors with needed workforce data via analytics models, such as:

- Workforce Demographics
- Workforce Planning
- Workforce Hire Analysis and Turnover

For example, the People analytics model enables reporting on workforce demographics such as employee age, category, gender and location.

Corporate Intelligence

Provides financial analysts and supervisors with needed financial data via analytics models, such as:

- Accounts Payable Invoices
- Project Costing
- Program and Grant Expenditure

For example, the Accounts Payable Invoices analytics model enables reporting on accounts payable invoices, providing a summarized view of invoice amounts and counts used for invoice aging.

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¹ Ellipse Analytics is available with Ellipse version 8.5 and later.
² Ellipse Analytics also offers a solution known as Critical Inventory Optimization; contact ABB for more information.
³ Additional models are available; contact ABB for more information.