Ellipse enterprise asset management
Optimize your critical assets and workforce capability with the global market leader in EAM
Ellipse is a purpose-built EAM / ERP solution for asset-intensive industries such as utilities, mining and transportation, helping ensure your critical assets deliver better business results.

The challenge
Asset-intensive industries are under increasing pressure to control costs and maximize return on assets. The business challenge encompasses balancing financial pressures with the operational goals of superior asset availability, reliable capacity and safety.

The solution
Ellipse enables best practices in the day-to-day and lifecycle management of assets, work, logistics, financials and human resources, empowering asset-intensive organizations to respond faster and make better decisions that directly impact the bottom line. Ellipse is a driving force in:
- Increasing asset utilization and productivity
- Reducing operating costs
- Delivering quality products and services
- Meeting regulatory standards for audit compliance
- Ensuring supply chain availability and visibility
- Allocating skilled resources appropriately
- Mitigating risk

ISO 55000
Embracing the international standard
ISO 55000 is a globally-recognized standard that provides definitions and specifications for managing physical assets throughout their lifecycle. Ellipse specifically enables ISO 55000-aligned business processes.

ISO 55000 requires evidence of alignment between good intentions and the actual day-to-day activities of capital project implementation, operations and maintenance. The ability to demonstrate compliance with ISO 55000 requirements not only reduces operational and compliance costs and risks, but can also drive competitive advantages through improved service and greater operational proficiency.

Ellipse is aligned with ISO 55000 in its inherent focus on proactive risk assessment and comprehensive support for corrective and preventive actions, versus the identification and remediation of after-the-fact performance failures. In particular, the Ellipse “Manage Physical Assets” process follows and embodies the “Plan-Do-Check-Act” process that is the guiding principle of ISO 55000.

Ellipse Asset & Work Management
Optimizing physical asset utilization and cost management
Ellipse manages the entire asset lifecycle from design through operational life, to disposal. Asset-intensive industries minimize their production costs to deliver high quality products and services at competitive prices; asset maintenance represents a significant portion of these costs.

Ellipse supports advanced maintenance planning with specific, integrated tools that optimally balance increased asset availability against the reduced costs of supporting the asset. Consolidated graphical views and easy-to-use organizing and scheduling capabilities deliver better visibility to coordinate work activities for both short- and long-term planning. Ellipse also offers flexible outage management that makes it easy to schedule and reschedule many hundreds of activities.

Ellipse delivers optimum asset performance by improving asset utilization, ensuring equipment readiness and safety, increasing plant and equipment productivity and decreasing lifecycle costs. True cost savings are derived through:
- Advanced job scheduling techniques
- Proactive rather than reactive maintenance
- Application of risk-based asset strategies
- Reduced capital expenditure

Ellipse Supply Chain Management
Balancing supply availability with tighter cost controls
Most asset-intensive organizations strive to maximize working capital. Optimizing demand, inventory levels, contracts and purchasing agreements can all contribute to major savings across the organization and directly impact the bottom line.

Ellipse Supply Chain Management enables organizations to balance the competing goals of maximizing the availability of parts and other supplies while minimizing the capital tied up in inventory holdings.

Ellipse offers a user-definable framework of parameters to establish and maintain inventory and procurement policies, automate the replenishment of stores and optimize warehouse and supplier management. All business processes typically performed in the purchase-to-pay function are fully automated, supported by complete visibility of transactions along the entire value chain.

Built to collaborate with ABB’s other procurement tools, Ellipse Supply Chain Management extends purchasing and inventory capabilities beyond the enterprise to facilitate seamless information exchange with trading partners of any size.
Ellipse Corporate Management
Complete end-to-end visibility of financial information
Ellipse transforms simple, single-entry financial data into meaningful information for managing project costs, job planning, asset cost of ownership, project capitalization, statutory reporting and compliance.

Ellipse provides complete transparency of financial transactions, making auditing and analysis simple. Month-end reporting, the ability to integrate operational information and statistics with General Ledger functionality, and support for multi-currency budgeting and analysis all drive greater accounting process efficiency. Supporting IFRS and Sarbanes-Oxley compliance, Ellipse is the ideal tool for organizations operating across multiple geographies or in a single jurisdiction.

Ellipse People Management
The right people with the right skills at the right time
Organizations continue to face the human resources (HR) challenges of managing employees through recruitment, hiring, training, promotion, workforce utilization, payment and retirement. Combined with the need to do more with less and increasing scrutiny over efficiency and cost-effectiveness, Ellipse functions such as employee self-service and manager self-service are becoming increasingly popular.

Ellipse delivers people management, HR and payroll* capabilities so that HR professionals, executives and line managers can better manage their most critical resource – their people. Organizations can align the workforce with strategic business goals, matching skill profiles with project requirements and availability schedules.

Business analytics and reporting tools
Real-time access to data for improved decision-making
Ellipse provides a single, fully-integrated, embedded reporting and business intelligence solution. The solution allows customers to track, analyze, understand and manage their business processes with data and reports in order to improve business performance.

Mobile Solutions for Ellipse
Flexible mobile solutions for asset and work management
Ellipse has simple, proven and reliable solutions that enable customers to easily automate and mobilize existing business processes in the field. With mobile solutions, fieldwork users can carry out inspections, maintenance and data capture activities. Effective field operations improve worker productivity by increasing worker efficiency and data accuracy, as well as reducing operating costs.

* Payroll is fully supported in Australia and via integration adapters to the local payroll providers.
About the Enterprise Software product group within ABB

We provide industry-leading software and deep domain expertise to help the world’s most asset-intensive industries such as mining, energy, and utilities solve their biggest challenges, from plant level, to regional network scale, to global fleet-wide operations.

Our enterprise software portfolio offers an unparalleled range of solutions for asset performance management, operations and workforce management, network control, and energy portfolio management to help customers reach new levels of efficiency, reliability, safety and sustainability. We are constantly researching and incorporating the latest technology innovations in areas such as mobility, analytics and cloud computing.

We offer unmatched capabilities to integrate information technologies (IT) and operational technologies (OT) to provide complete solutions to our customers’ business problems.

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