

BROCHURE

ABB Ability™ Ellipse

Enterprise asset management & enterprise resource planning for the water/wastewater industry.



Optimize your infrastructure asset management with the global market leader in EAM.

ABB Ability™ Ellipse is a purpose-built EAM and ERP solution delivering business outcomes at a sustainable and superior cost of operations and capital investment.

The challenge

Water and wastewater agencies are under increasing pressure to control costs and maximize return on assets, while dealing with a steadily-declining infrastructure and an aging workforce. The business challenge encompasses balancing financial pressures with the operational goals of delivering a superior product to consumers.

The solution

ABB Ability Ellipse enables best practices in the day-to-day and lifecycle management of assets, work, logistics, financials and human resources, empowering water and wastewater agencies 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

Flexible functionality and footprint

Ellipse is a highly-robust solution that can support the largest and most complex operational environments with fully customizable functionality and choice of an on-premise or cloud-hosted implementation. Or, for organizations that want the fastest path to operation, Ellipse Select, hosted on the Microsoft® Azure® Cloud, can be operational in as little as 90 days, with pre-configured functionality, a smaller IT footprint and a streamlined implementation. Both implementation choices provide best practices in enterprise asset management refined over 35+ years.

ISO 55000 adherence

Embracing the international standard

ISO 55000 is a globally-recognized standard that provides definitions and specifications for managing physical assets throughout their lifecycle. ISO 55000 practices also drive competitive advantages through improved service and greater operational efficiency.

Ellipse aligns your operations with ISO 55000's 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, Ellipse 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. 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 delivers optimum asset performance by improving asset utilization, ensuring equipment readiness and safety, increasing facility 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 water and wastewater 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, including grants

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.

Grants administration and funds checking functionality makes it easy to manage and report on grants. Users can manage grant expenditures and link spending to grants; track actual expenditure versus available funds; restrict funds if over-allocated; and provide full visibility of funded work.

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 HR and payroll* capabilities so that HR professionals, executives and line managers can better manage their most critical resource – their people. Water and wastewater agencies 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 with analytics data models for reports and dashboards. 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 fieldwork

Simple, proven, reliable solutions

Ellipse enables customers to easily automate and mobilize existing business processes in the field, such as inspections, maintenance and data capture activities. Effective field operations improve worker productivity by increasing worker efficiency and data accuracy, and also reduce operating costs.



* Payroll is fully supported in Australia and via integration adapters to the local payroll providers.



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