Ellipse
The Enterprise Asset Management (EAM) solution for asset intensive industries
Ellipse is a fully-integrated Enterprise Asset Management (EAM) application suite providing complete visibility and management of assets to asset intensive industries including energy, mining, defense, public infrastructure and oil and gas.

Organizations in asset intensive industries are enabled by Ellipse to effectively manage their assets and deliver shareholder value by:

- Increasing asset utilization
- 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
- Improving productivity

Ellipse enables best practices in the 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’s world-class modules form an integrated foundation, delivered on a Service Oriented Architecture (SOA) platform. These foundation modules are complemented by business analytics, advanced maintenance and planning, and mobile workforce management solutions, offering the broadest functionality and the most robust solution in the EAM market today.

**Ellipse Asset & Work Management**

**Optimize physical asset utilization and cost management**

Asset intensive industries minimize their production costs to deliver high quality products and services at competitive prices. Asset maintenance represents a significant proportion of these costs.

Ellipse Asset & Work Management manages the life cycle of an asset from design through operational life to disposal of the asset. The maintenance modules articulate the maintenance policies and strategies to maximize the value of the assets to the business.

Ellipse Asset & Work Management delivers optimum asset performance by improving asset utilization, ensuring equipment readiness and safety, increasing plant and equipment productivity and decreasing life cycle costs. True cost savings are derived through:

- Increased asset availability via the application of advanced job scheduling techniques
- Proactive rather than reactive maintenance
- Increased equipment reliability via the application of risk based strategies
- Reduced capital expenditure by increasing equipment life

ABB’s Work Planner 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 projections. ABB’s Work Planner also offers a flexible outage management tool that makes scheduling and rescheduling many hundreds of activities easy and efficient.
**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 achieve an optimal outcome in balancing the competing goals of maximizing the availability of parts and other supplies and minimizing the capital locked up in inventory holdings.

It 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 Financial Management**

**Complete end-to-end visibility of financial information**

Ellipse Financial Management 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.

The suite 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. IFRS and Sarbanes-Oxley compliant, Ellipse Financial Management is the ideal tool for organizations operating across multiple geographies, or in a single jurisdiction.

**Ellipse Intelligent Workforce Deployment**

**The right people with the right skills at the right time**

Organizations today continue to face the standard human resource (HR) challenges of managing employees through the process of recruitment, hiring, training, promotion, workforce utilization, payment and retirement. Combined with the need to do more with less, functions such as Employee Self Service (ESS) and Manager Self Service (MSS) are becoming increasingly popular in modern organizations as the HR function is scrutinized for efficiency and cost-effectiveness.

Ellipse Intelligent Workforce Deployment delivers leading edge 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 for real-time access to data**

**Delivering unmatched integrated reporting and business intelligence**

Ellipse provides a single, fully-integrated, embedded reporting and business intelligence solution powered by market leader Business Objects. The solution delivers an unprecedented level of world-class, integrated business intelligence capability. This allows customers to track, analyze, understand and manage their business in order to improve enterprise performance.

**A Service Oriented Architecture (SOA)**

**Providing agile technologies that deliver flexible business solutions**

The Ellipse SOA technology platform enables value-adding business process integration and orchestration by exposing key business functionality. SOA delivers unprecedented levels of business agility, cost savings and operational efficiencies both within and beyond the enterprise. Leverage the Ellipse EAM solution to align high-level strategic organizational imperatives with operational level business processes and unleash the synergies hidden within your silos of enterprise information.

**Collaborative technologies to extend the reach of enterprise applications**

**A comprehensive solution map for your business**

Ellipse builds upon web-based technologies to deliver new collaborative capabilities that cross over traditional enterprise application boundaries to provide complete, end-to-end business process support enabling seamless integration with other ABB products as well as with trading partners, contractors and suppliers. In addition to collaboration with external parties, ABB Mobility solutions leverage Ellipse’s web services-based technologies to fully integrate your deployed mobile workforce, promoting accurate and timely data exchange as well as maximizing employee utilization.
About ABB

ABB provides industry leading software and deep domain expertise to help the world’s most asset intensive industries such as energy, utilities and mining 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 provide unmatched capabilities to integrate information technologies (IT) and operational technologies (OT) to provide complete solutions to our customers’ business problems.