

Solution Overview

Ventyx Ellipse 8



Ventyx Ellipse 8 is the first and most complete mobile-enabled Enterprise Asset Management (EAM) and Enterprise Resource Planning (ERP) solution for the world's asset intensive businesses.

Ventyx Ellipse 8 provides companies in asset intensive industries – such as mining, defense, energy, public infrastructure, and transportation – with a suite of business-critical, mobile-enabled applications for Enterprise Asset Management (EAM) and Enterprise Resource Planning (ERP).

Ventyx Ellipse 8 delivers true “return on assets” by enabling enterprises to plan, measure, monitor and improve asset performance throughout the entire asset lifecycle.

Ventyx Ellipse 8 manages enterprise-wide information about the cost and benefit of asset ownership by tracking utilization, location, maintenance activities, capitalization, depreciation, and revenue and cost streams.

Ventyx Ellipse 8 helps companies push the boundaries of what they can achieve through improved business process integration from the field to the executive office.

Ventyx Ellipse 8 supports critical enterprise operations and enables best practices in the management of assets, work, logistics, financials and human resources, empowering organizations to respond faster and make better decisions that directly impact the bottom line.

Ventyx Ellipse 8 comprises three components that form a fully integrated EAM foundation for all maintenance and operations tasks and can extend to various ERP and legacy business systems:

- **Application Suite:** A best-in-breed application suite for EAM and asset intensive ERP built to support PAS55 business processes that extend from the enterprise out to assets in the field.
- **Enterprise Integration Platform:** Combines out-of-the-box integration to leading ERP solutions (for those with pre-existing ERP infrastructure) and an enterprise-scalable mobile application platform.
- **Enterprise Reporting & Analytics:** A flexible, integrated and intelligent enterprise reporting suite with advanced analytics that provides businesses with unprecedented choice.

Ellipse 8 Differentiators

Ventyx Ellipse 8 uniquely addresses the needs of asset intensive businesses for cost reduction and improved operational efficiency and business agility.

Best Practice Asset Management: The PAS 55 framework is gaining adoption worldwide as “best practice” guidance for optimizing asset management systems and processes, and reducing risk. Ventyx Ellipse 8 was architected to fully support a PAS 55 compliant asset lifecycle, enabling asset intensive businesses to standardize EAM and ERP practices, maximize asset performance, and improve reliability and service to comply with key regulatory frameworks.

Field Enablement: Ventyx Ellipse 8 incorporates an enterprise mobile application platform to enable field worker productivity via mobile devices. This best-in-class technology provides closed-loop, end-to-end solutions for optimally servicing and operating assets, collaborating with the back office and other resources in the field, and ensuring relevant, timely and accurate reporting in the most demanding environments.



Personalization & Ease of Use: Ventyx Ellipse 8 has been designed with usability as a core tenet, offering users personalization capabilities without the cost of customization, a consistent look and feel, and an intuitive, browser-based user interface that reduces training costs and facilitates adoption.

Leveraging Web 2.0 design elements optimizes network performance and enhances usability, navigation and interactivity. Users can tailor and configure the experience to suit the requirements of their individual roles without needing to modify the code base. In addition, pattern designed screens are specifically designed for asset management functions.

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Next-Generation Architecture: To simplify both IT operations and business processes, Ventyx Ellipse 8 offers a radically streamlined software architecture that supports today’s advanced technologies and widely accepted standards, while providing the foundation to support evolving technologies and standards.

Ventyx Ellipse 8 features a modern, web-native infrastructure, with a lightweight technology footprint that significantly lowers IT costs and resource requirements. Utilizing Java runtime and open standards on a Linux/Intel stack, the solution is “cloud enabled,” network friendly, and optimally tested for large user bases.

A Service Oriented Architecture (SOA) allows businesses to leverage appropriate web services to rapidly create “plug-and-play” applications that integrate EAM and ERP functions with other processes in their unique environments.

Geospatial Integration: Ventyx Ellipse 8 displays work and asset information on maps through standards-based integration with leading geospatial information systems. Particularly for organizations with linear assets or geographically dispersed assets, a view of assets in a spatial context supports informed decision-making for operations and maintenance.



Solution Acceleration: Businesses can rapidly deploy a preconfigured, best-practice implementation of Ventyx Ellipse 8, including the loading of organizational EAM data. This acceleration option activates core EAM business processes quickly to reduce project risk, accelerate return on investment, and increase efficiency and productivity with a best-practice approach.

Ellipse 8 Business Benefits

Ventyx Ellipse 8 drives operational excellence for asset intensive businesses. Outstanding value can be realized throughout an organization, touching every operational department in every location.

Boost return on assets and asset availability

- Optimize asset performance and maintain uptime of critical assets using risk-based strategies
- Improve cost fidelity with one source of truth through the entire asset lifecycle
- Align asset management production plans
- Improve customer service with better reliability
- Implement PAS55 across the enterprise
- Effectively react to unexpected events
- Manage the asset lifecycle from design, to operational life, to disposal
- Enable a shift from reactive to proactive maintenance to extend equipment life



Improve safety records

- Reduce incidents by enabling standardized processes and ensuring equipment readiness
- Ensure the right skills, right materials and right tools are in the right place, at the right time for effective and efficient work management

Increase workforce productivity

- Improve productivity of in-house and 3rd party workers with strategic capacity-based work planning, long- and short-term scheduling, and real-time tracking
- Automate field-based processes using mobile devices to better service and operate assets at the point of performance
- Integrate field work with the EAM system of record



Optimize operational and financial management

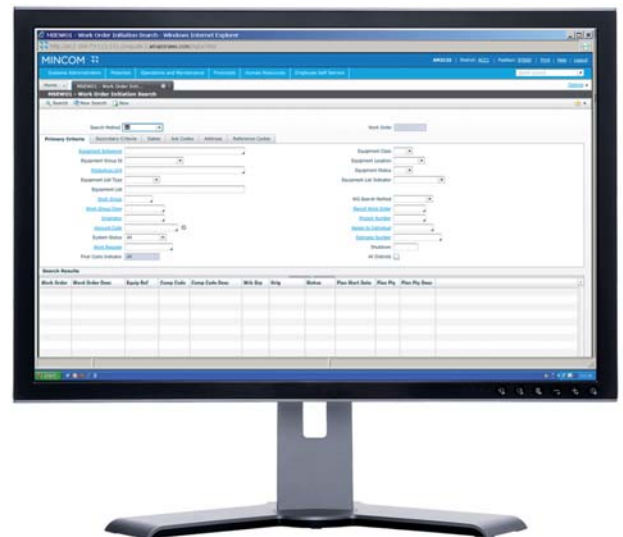
- Improve total visibility of assets, inventory, production and workforces
- Leverage data at the point of inspection with mobile applications to improve decision making
- Capture critical cost information for seamless integration with any financial system of record

Streamline the asset supply chain

- Achieve integration with 3rd party suppliers
- Strategically manage critical parts and inventory to free up working capital

Reduce total cost of ownership

- Utilize a lighter software and hardware footprint that is cloud and network friendly
- Optimize network performance with minimal bandwidth demands
- Take advantage of preconfigured integrations built on open standards
- Simplify deployment at reduced costs





About Ventyx

Ventyx, an ABB company, is the world's leading supplier of enterprise software and services for essential industries such as energy, mining, public infrastructure and transportation. Ventyx solutions bridge the gap between information technologies (IT) and operational technologies (OT), enabling clients to make faster, better-informed decisions in both daily operations and long-term planning strategies. Some of the world's largest private and public enterprises rely on Ventyx solutions to minimize risk, enhance operational and financial performance, and execute the right strategies for the future. .

To learn more about Ventyx visit www.ventyx.com or contact a Ventyx sales representative today.