

INFORMATION DRIVEN ENTERPRISE

JD Edwards EnterpriseOne Industry Solutions Overview
Asset Lifecycle Management for Paper and Packaging



Optimize strategic network planning.
Increase operating efficiencies.
Realize the full value of assets.

INFORMATION DRIVEN ENTERPRISE

For the paper and packaging industry, external forces control much of a company's profitability and success. A fluctuating economy, the continuing reach of electronic communications and commerce, the loss of product differentiation, environmental regulations—all have a major impact on the industry.

While most external forces may be out of your control, you will be in a better position to respond and succeed if you effectively manage critical factors inside your own business. In other words, control what you can control and get the most out of what you have. With a complete and flexible software solution, you can deal more confidently with outside forces and master your own internal processes and assets.

Oracle's JD Edwards EnterpriseOne Asset Lifecycle Management is a major part of that solution. It allows you to meet your current and long-range challenges head-on. You can increase utilization of and return on assets and improve employee productivity. You can monitor and manage all your parts and spares inventory and enhance project profitability.

A Complete Enterprise Solution

With JD Edwards EnterpriseOne Asset Lifecycle Management, you can:

- Make the right capital investment decisions.
- Maximize your return on operating assets, such as mills and equipment.
- Increase equipment availability.
- Optimize asset acquisitions, utilization, and disposals.
- Comprehensively manage supply chain and supplier relationships for maintenance and repair materials.
- Manage complex new construction projects.
- Decrease maintenance, repair, and operations (MRO) inventories.
- Reduce the cost of maintaining a patchwork of disparate software systems.
- Increase workforce productivity.

As with every JD Edwards EnterpriseOne solution, JD Edwards EnterpriseOne Asset Lifecycle Management provides full functionality and a wide range of solutions to meet your unique needs. And it does so affordably. For the paper and packaging industry, it is an economic solution that offers fast and long-term return on investment (ROI). Shifting market conditions, an uncertain economy, changing regulatory requirements—these are not things you can control. But you can control and realize all the potential of your own assets with the right software solution.

To see how JD Edwards EnterpriseOne Asset Lifecycle Management works in real-world operating environments, consider the following scenarios.

JD Edwards EnterpriseOne Asset Lifecycle Management delivers real-time solutions for paper and packaging companies. It offers integrated, full-featured applications that touch and enhance every aspect of your operations, including asset management, strategic network optimization, condition-based maintenance, materials management, enterprise-wide visibility, and project management.

Scenario 1: Decisions about major asset acquisition require an in-depth analysis of multiple facts and potential impacts.

The JD Edwards EnterpriseOne Solution

Deciding when and how much to invest in new asset acquisition takes planning and decision-making based on a range of factors. The reliability of equipment, the functionality of facilities, the availability of replacement parts—all have a critical bearing on your operations and your decision making.

Long-range capital planning, however, doesn't happen without a firm understanding of all the facts and the varied options at hand. To develop that understanding, you need to analyze what-if scenarios that show the cost and revenue implications of any capital investment decision on your business.

With JD Edwards EnterpriseOne Asset Lifecycle Management, you can do just that by using sophisticated strategic supply modeling capabilities. The integrated nature of the solution allows you to extract much of the information you need directly from existing operational data, which speeds the process and ensures the integrity of the what-if models being created. Further, you are able to build models that are optimized for three variables at once—throughput, cost, and service levels. You realize greater accuracy and representation of business conditions and minimize the time it takes to model a what-if scenario and generate a recommendation.

With a better understanding of the facts comes better planning. With a clearer view of your options and their likely impacts, capital investments can be made with more confidence and with greater potential for generating the expected returns.

Forecast Inventory Demands and Adjust Supply Accordingly

Scenario 2: Mergers and acquisitions require strategic decision making and careful integration with existing operations.

The JD Edwards EnterpriseOne Solution

With mergers and acquisitions commonplace in your industry, there's a premium on fact-based decision making and the need to quickly generate economic value from newly formed organizations. With JD Edwards EnterpriseOne Asset Lifecycle Management, you can create a model of your existing supply chain and use it to analyze the benefits of merging with or acquiring another company or only certain mills or other assets. The ability to generate what-if scenarios quickly helps you determine the feasibility of your decision before you implement it. And, once you've acquired the new assets, it will also help you decide how best to integrate them into your current business and to create a newly optimized supply chain.

With JD Edwards EnterpriseOne software in place, merged companies can quickly become one streamlined organization that blends systems and translates processes into universal standards. Built to be flexible and adaptable, the software simplifies the task of porting over data and processes from other systems, minimizing downtime. It is easy to update as your business processes change and provides the tools to automate and integrate the flow of information.

Scenario 3: To increase your return on investment, you need to optimize your manufacturing assets.

The JD Edwards EnterpriseOne Solution

Huge capital investments in mill and plant equipment present major financial and operating challenges. Asset optimization takes planning, integrated management, and fact-based decision making. From acquisition through operations and maintenance to retirement, the way manufacturing assets are managed has a critical bearing on the success of your operation.

With JD Edwards EnterpriseOne Asset Lifecycle Management, you effectively manage every stage of the asset lifecycle—from long-range capital planning, procurement, and construction to capitalization, operations, maintenance, and eventual disposal. The entire asset management process is improved by linking production and service goals to maintenance requirements—including workforce competencies, history and availability, spares, service-level agreements, work-order backlog, warranties, location status, and failure analysis.

By considering operations and maintenance as part of an overall asset lifecycle management solution, you can optimize asset utilization across your organization. As a result of this integration, you can be sure that all assets are operating at optimum capacity and are producing consistent quality product and services. At the same time, you're better able to balance costs, timelines, and revenue requirements.

JD Edwards EnterpriseOne Asset Lifecycle Management is valuable not only for tracking current assets. New assets from mergers or acquisitions can be easily incorporated into the solution, which gives you a total, detailed picture of the assets in your expanded enterprise.

The benefits of implementing best asset management practices are pervasive: improved equipment reliability, reduced operating costs, increased asset utilization and production, reduced spare parts inventory, and reduced or postponed capital expenditures. With JD Edwards EnterpriseOne Asset Lifecycle Management, the optimization of assets and increased return on investment are within easy grasp.

Scenario 4: The heavy demand and use of your production equipment puts a premium on its continued performance and long life.

The JD Edwards EnterpriseOne Solution

The need for availability and reliability of machinery, vehicles, and production facilities affect the lifeblood of the business. Equipment breakdowns cost you time, production, and money, none of which can be recovered. Interruptions in service to customers can spell lost revenues—and goodwill. To maintain production and improve profitability and customer relationships, your physical and human assets must perform seamlessly, with little or no interruption, 24x7.

Maintenance of assets represents the core of any asset lifecycle management process, and it is integral to the JD Edwards EnterpriseOne solution. Not only does an effective maintenance program keep machines and vehicles running, it also helps you:

- Optimize assets.
- Maximize equipment reliability and utilization.
- Improve product quality.
- Increase workforce productivity.
- Reduce MRO inventory.
- Minimize capital spending.

With JD Edwards EnterpriseOne Asset Lifecycle Management, you are able to schedule equipment servicing as needed to ensure optimal performance. The system creates preventive maintenance schedules based on thresholds you define for usage, such as hours run, miles driven, fuel used, specific dates, or time intervals. When integrated with your production scheduling tools, this predictive maintenance process can minimize disruptions in operations by scheduling maintenance around production needs.

An even more advanced maintenance routine is possible through JD Edwards EnterpriseOne Asset Lifecycle Management's condition-based monitoring features. Condition-based monitoring facilitates as-needed maintenance, triggering maintenance schedules based not on a preset schedule but rather on the actual condition of your equipment. In other words, you don't need to take a major piece of machinery offline just because it's been three months since the last oil change. Instead, condition-based monitoring automatically identifies changes in the performance or condition of the asset that indicate its potential for failure. Based on these changes, the system will generate a maintenance action or alarm that alerts technicians to the issue.

“Tying real-time data to our maintenance information allows us to move from the more traditional preventive maintenance on equipment to a condition-based model. This extends our ability to monitor the condition of our pumps and motors online using vibration monitoring. With the capabilities of JD Edwards EnterpriseOne Asset Lifecycle Management 8.10, we can now initiate preventive and corrective action through the monitoring of pressure, temperature, and flow throughout our process.”

Harry Bullock, Irving Paper

Improving your infrastructure maintenance can optimize asset productivity, prevent unplanned service outages, and ensure safe and reliable operations. You can schedule maintenance to ensure that your infrastructure assets— vehicles, machinery, facilities— operate effectively so that production or service delivery is not interrupted.

With JD Edwards EnterpriseOne Asset Lifecycle Management, you can also:

- Set a baseline for each asset, capturing the physical characteristics that collectively indicate its current condition and enable ongoing tracking and analysis.
- Integrate service and warranty management capabilities, which help create maintenance schedules that reflect warranty requirements.
- Analyze in detail any failure that should occur, enabling you to make a faster fix and perhaps even prevent similar failures in the future.

Scenario 5: The dispersed nature of your plant and equipment demands a comprehensive inventory process.

The JD Edwards EnterpriseOne Solution

It's likely that much of your maintenance budget is spent on acquiring, stocking, and replenishing spare parts and supply inventories. The more dispersed the inventories, the more difficult the challenge. Inventory holding costs, as well as the transportation costs for keeping parts replacements available, can cause expenses to add up.

Without integrated monitoring of the full supply chain and accurate materials requirement planning, you can waste time and money, ship and stock inventory unnecessarily, and limit the availability and reliability of major assets. You face a constant and costly balancing act: keeping too much MRO inventory on hand or not enough.

To maintain an efficient balance, you need real-time, accurate access to your MRO inventory information, whether it exists in-house or at contract maintenance and supplier sites. JD Edwards EnterpriseOne Asset Lifecycle Management offers a flexible, enterprise-wide vision of your MRO inventory for instant, accurate access to vital information at all your inventory locations. You always know exactly which parts need to be replaced and when, helping to reduce excess inventory and freeing much-needed working capital.

You are better able to consolidate spare parts needs for the organization as a whole. Materials managers, for example, can see all the required replenishment data across the enterprise and can order for the entire company—rather than for individual business units or facilities—and distribute the order in the right quantities to the appropriate groups. This aggregated ordering capability helps you increase your purchasing power with suppliers and dramatically reduce inventory costs.

You are able to optimize maintenance inventories through integrated supply chain management modules that are designed to support you as you build and maintain strategic relationships with key suppliers. It becomes easier to implement lean operating principles that automate the fulfillment of spare parts and supplies to minimize inventory-carrying costs. For remote locations, the solution's features for materials requirement planning identify what spares and equipment are needed when—avoiding costly, inefficient delivery of materials at unnecessary levels or before they're needed. Complete and integrated inventory management provides a major boost in optimizing supply chain and inventory management and reducing holding costs without adversely affecting service or production levels.

Make informed decisions on mill capacity, inventory status, and mill proximity to customer order.

Real-Time Visibility into the Supply Chain

Scenario 6: You're planning major construction of new facilities or extensive work on existing facilities but need to maintain high production levels.

The JD Edwards EnterpriseOne Solution

Even with the best maintenance, you still need to replace and upgrade aging infrastructure. Without tight management of construction, installation, and replacement projects, your entire operations can be negatively affected. Costs can spiral beyond budgeted amounts. Daily operations suffer. Production slows.

Project management is a key component of JD Edwards EnterpriseOne Asset Lifecycle Management. Integrated procurement and contract management help you minimize costs by facilitating effective management of contractors from selection through to payment. You can create requests for quotes, analyze competitive bids, and manage contracts more efficiently. You and your contractors gain visibility into real-time project data and down to individual costs accounts within large projects that can be continuously tracked against budgeted amounts.

The integrated project management capabilities can accelerate your time to completion for construction and engineering work, which means that your new assets are ready to produce revenue sooner. You can better manage the output of your labor and material resources—for both short-term and multiple-year construction projects. By viewing project feasibility before project changes reach the approval stage, you can reduce project risk. Access to real-time costs as soon as changes are made allows you to better manage project schedule and scope. And real-time visibility into project status helps your project managers anticipate cost overruns and take action before problems escalate.

Because JD Edwards EnterpriseOne is an integrated solution, all data about construction and installation projects are shared among applications and stored in a central repository. This central file is available to managers and is presented in the form of key performance indicators. Whenever they need more information, your managers can click individual KPIs to drill down for full details. As construction activities continue, the system captures financial details for asset capitalization and reporting purposes. The solution also improves materials planning and reduces costs for contract labor by helping you more efficiently leverage the work of your own employees.

At the completion of construction and before putting the asset into production, you are able to create and capture baseline data about that asset. As a result, you can develop strategies to optimize maintenance as well as MRO inventories. JD Edwards EnterpriseOne Asset Lifecycle Management captures all the necessary data in a single step, and information entered about the asset can be shared for multiple functions across your organization.

Scenario 7: While ensuring that your assets are fully optimized, you need to maintain the highest level of employee productivity.

The JD Edwards EnterpriseOne Solution

Human capital assets represent a critical piece of the full asset picture. In an uncertain economic environment and demanding marketplace, your people must be as productive as the equipment they maintain and run. The effective coordination of managers, maintenance workers, and machines is possible only from an integrated, enterprise-wide software solution.

JD Edwards EnterpriseOne Asset Lifecycle Management improves productivity of managers, planners, field technicians, and equipment operators through specifically designed role-based work spaces and intuitive performance management portals. With integrated equipment maintenance and operations requirement planning, planners can make sure that, when it's time to pull production machinery off the line for repair or maintenance, the people with the right skills and knowledge are ready to respond.

Workers have access to the system through a user-friendly interface that makes it easy for them to find what they need, when they need it. They are able to view and update work orders assigned to them, fill out timecards, and access a central knowledgebase that holds detailed information about equipment and describes reoccurring faults and failures and associated fixes.

Maintenance workers in the field can access your JD Edwards EnterpriseOne solution through laptops or handheld devices. They are able to track and update work orders, access the knowledge database, manage their schedules and timecards, request parts, or track purchases.

Managers also can make better decisions in less time. With web-based, performance management dashboards on their desktops, they have access to real-time data generated from any asset-related activity, including acquisition, project use, work orders, maintenance, emergency repairs, failure costs, and MRO inventory, to name a few. The data is fed into Oracle's JD Edwards EnterpriseOne Equipment Cost Analysis module so that managers can match costs with the assets that generated those costs—right down to the transaction level. Consequently, managers in all areas of the business are able to make well-informed decisions about individual assets that can keep costs from escalating out of control. The same information streamlines long-term capital planning, because managers will know which assets are accruing the most costs and which are not.

Oracle's JD Edwards EnterpriseOne Asset Lifecycle Management is a solution that brings together everything—and everyone—for managing key assets more efficiently, maintaining high productivity of machines and people, and achieving a high return on your investments.

Oracle is committed to ensuring customer success and satisfaction by building quality products and delivering cost-effective, results-oriented service and support based on the unique organizational needs of our customers.

Oracle Global Services Committed to Your Success

Oracle Global Services for JD Edwards EnterpriseOne

Global Services provides worldwide, best-in-class services to help customers get maximum value from their software.

Oracle Consulting for JD Edwards EnterpriseOne

Oracle Consulting can help you implement, optimize, and upgrade Oracle's JD Edwards EnterpriseOne products to improve business performance. Consulting services accelerate time-to-value, maximize functionality, and reduce project timelines and costs. Implementations are tailored to specific business needs. Through a single-vendor relationship, customers gain deeper access to resources and get more value out of their software.

Oracle University

Executives, project managers, and end users benefit from role-based training that results in increased productivity, reduced risk, and lower support costs. Training delivered where, when, and how your organization needs it increases your overall return on investment. Products and services include project team training classes, end user training classes, the end-user training kit, and course development and delivery services.

PeopleSoft Hosting

Hosting services provided by PeopleSoft Hosting let you focus on your core business while realizing a superior return on your investment. You get a complete solution that ensures single-vendor accountability and provides world-class service.

Oracle Support Services for JD Edwards EnterpriseOne

Oracle Support Services never stop working to ensure that your issues are resolved and that you receive the greatest return on investment from your JD Edwards EnterpriseOne systems via the latest technologies, new product features, and industry best practices. You have access to the most comprehensive product and technical problem-solving expertise 24x7, with the real-time support you need for your real-time enterprise. Your business never stops moving forward. Neither do we.



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