

JD EDWARDS ENTERPRISE ONE CONDITION-BASED MAINTENANCE



Extend equipment life.

Reduce maintenance costs.

Quickly identify and resolve equipment problems.

The Issue: Avoiding Equipment Failures

Unplanned downtime can create a huge dent in a company's productivity and profitability. That's why it is so important to keep equipment in top working condition. Traditional maintenance programs are no longer sufficient—companies must be able to find and fix problems before they cause equipment breakdowns.

The Solution: Conditioned-Based Monitoring and Maintenance

The next step forward in maintenance technology, Oracle's JD Edwards EnterpriseOne Conditioned-Based Maintenance helps you make maintenance decisions based on the condition of your equipment. Rather than waiting to fix equipment until it's too late (such as after a failure) or basing maintenance on a set calendar- or usage-based schedule, you fix equipment only when needed. As a result, you are able to reduce maintenance costs, equipment downtime, and associated lost productivity.

Condition-Based Maintenance uses information gathered about equipment through equipment monitoring devices. As equipment becomes increasingly complex, more manufacturers are providing these monitoring devices to help companies manage and maintain their equipment. Conditioned-Based Maintenance uses this real-time data to assess equipment conditions against predefined operating parameters. Should the data fall outside these parameters, the software generates a maintenance alert that signals a problem or area of concern.

Identify Problems Early to Optimize Equipment Usage

Because Condition-Based Maintenance continuously monitors your equipment for potential signs of failure, it is more likely to catch a problem than if you were to wait for regularly scheduled preventative maintenance. Also, you can set the parameters for each piece of monitored equipment yourself. This capability means that the software is as sensitive as you need it to be, and it can create alerts for even the tiniest variation in data that may suggest a problem.

You will automatically get the type of alert that makes the most sense for your organization. It can be a message sent by pager, email, or other messaging system to the appropriate technician or maintenance manager. Or, the system can automatically generate a work order that requests the inspection, repair, or replacement of the part that caused the maintenance alarm. No matter what type of alert you choose, you'll know immediately when you may be facing a potential problem and can address it quickly to prevent a failure from occurring.

Lower Costs and Improving Your Return on Assets

This type of early warning system for failures lets you perform maintenance only when your equipment needs it. By doing so, you not only keep equipment running smoothly, you also extend asset life. And, because you catch problems before they become critical, you are able to create maintenance plans that take into consideration production and/or operations needs. This planning allows you to maximize asset productivity with minimal disruption to business.

As Oracle's JD Edwards Conditioned-Based Maintenance helps you improve the performance of your equipment, it also decreases the need for equipment tear-downs and parts replacement. This reduction trims your maintenance, repair, and overhaul (MRO) inventory levels and associated carrying costs. In addition, you can lower maintenance costs by performing work only when needed.

"The majority of maintenance should be triggered based on equipment conditions as opposed to time since over 80 percent of functional failures are condition based." — The Future of EAM, ARC Advisory, November 2001

Feature/Function Highlights

- Condition-based testing, test routes, schedules, and readings
- Alarm review and analysis
- Automatic maintenance work order processing
- Standard equipment monitoring device connectors
- Test analysis and automatic processing
- Seasonal and shutdown scheduling
- Project management forecasting
- Global updating for project management schedules

Solution Integration

- Financial Management
- Human Capital Management
- Asset Lifecycle Management
- Logistics
- Manufacturing
- Procurement and Subcontract Management
- Project Management
- Service Management
- Advanced Planning

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