OPTIMIZING WORK MANAGEMENT IN THE UTILITIES INDUSTRY

Key BENEFITS

• Optimize Asset Utilization
• Dynamically Adjust Maintenance Plans
• Maximize Work Safety and Ensure Compliance
• Integrate Work Management Throughout Your Enterprise

Increasing competition has forced utilities to develop capabilities to maximize the value that can be derived from their assets. Utility companies are coming under constant regulatory pressure to provide services in the most cost effective manner while ensuring high levels of reliability. Consumers continually seek price reductions and shareholders are demanding higher returns. In the evolving utilities market, companies can no longer ignore asset and work management strategies that enable them to reduce costs and increase return on investment.

To remain competitive, utilities need an integrated solution that addresses the broad set of work management and asset management requirements. Utility companies need a comprehensive system that allows them to create optimal work management and asset maintenance strategies, as part of the whole enterprise operation, that can decrease costs, increase revenues, and improve reliability. By effectively monitoring operational data such as maintenance history, performance trends, and operating conditions, utility companies can proactively manage available resources such as inventory, equipment, and skilled personnel and match them to asset maintenance demand.

Asset Maintenance Strategies for Achieving Bottom-line Results

Simply to survive in today’s competitive global business climate, utility companies must consistently focus on their bottom-line results. Enterprise Asset Management (EAM) technology is one of the most effective means for utility companies to achieve this important business goal. EAM enables organizations to implement strategies that optimize equipment capacity and increase productivity, decrease maintenance costs and improve safety and regulatory compliance. According to analysts and experts in the EAM marketplace, corporate asset maintenance opportunities include substantial and measurable increases in asset utilization, increases in equipment life and reductions in maintenance expenses.

A Single View of Assets

Oracle provides the tools needed by utility companies today to expand the visibility of and ownership of assets throughout an entire organization. A company’s asset can be described in many ways: as a fixed asset to an accounting department, a leased asset to facility management, an inventory item to materials management or a maintainable asset to mechanical engineers. Oracle Enterprise Asset Management (eAM) incorporates all these views of the asset through a single entity, allowing companies to incorporate the asset throughout the organization. In real-time, the
entire organization can view the asset, its usage, costing information and depreciation.

**Complete Asset Data**
The asset is the focus of the eAM system. It is where all costs, activities and work revolve. As such, Oracle eAM provides extensive data associated with the specific asset, such as asset attributes, nameplate data, engineering specifications, property detail and other searchable characteristics. Each asset record also contains the following information:

- Asset Bill of Materials (BOM)
- Asset Costing and Work History
- Asset Monitoring
- Asset Activity Library

**Comprehensive Work Management**
Work Management is at the core of all maintenance operations: it is the creation and planning of resources, including labor, material and equipment, needed to address equipment failure, or complete preventative maintenance to ensure optimal equipment functioning. By entering a Work Request, users start the work process that allows maintenance supervisors to turn the requests into work orders. Work orders can be automatically generated through the use of Preventative Maintenance Schedules or the issue of an inventoried spares part. Work orders can also be manually created as a routine job. Once these work orders are reviewed and shared with Operations, they are placed on a schedule and executed. As work is completed, Oracle eAM tracks all required data such as notes, costs and inspection readings.

**Global Project Management**
Oracle Projects is a suite of Internet-enable e-business applications that manage the full lifecycle of every project. Oracle Projects provides a central repository of validated cost, revenue, billing and performance data associated with all business activities. Enterprise-wide information can be shared with third party and legacy systems while maintaining security and business rules.

Oracle offers a comprehensive suite of self-service solutions including time entry, procurement, expense reporting, collections, performance reviews and much more. Together, these solutions dramatically reduce project transaction costs while connecting employees, customers, and partners to facilitate global project management. Workflow-driven processes further lower costs by automatically enforcing business rules and reducing project lifecycles.

**Optimize Planning and Resource Deployment**
The Oracle solution includes Oracle Advanced Planning and Scheduling, which provides a planning environment to optimize the deployment of resources for maximum efficiency. Oracle Advanced Planning and Scheduling helps utility companies create and execute a plan, measure the results against predefined key performance indicators, and make adjustments to ensure continuous improvement and
alignment with strategic corporate goals. This is facilitated by the visibility of demand across the enterprise and by a complete view of available resources to meet that demand. Oracle’s powerful scheduling and optimization tools factor in all of the variables and constraints and enable utility companies to iterate schedules to achieve best results.

Maximize Work Safety, Enhance Quality and Ensure Compliance

Utility companies worldwide have well-established procedures, regulations and safety requirements. These standard processes ensure that work is done correctly and with all safety and compliance issues enforced. Work that is done incorrectly results in downtime, lost profits, non-compliance with regulations, and potential catastrophic accidents. Oracle enables utility companies to define the appropriate steps and procedures to execute work orders. With Oracle, utilities can enforce task scheduling based on review and completion of dependent steps and attach safety sheets, tagouts, and other critical documents associated with each task. Oracle eAM also enables workflow management for process review and approval by multiple departments and ensures employee safety and compliance through employee skill and rating search for work assignments.

Out-Of-The-Box ERP Integration

Oracle eAM brings the functionality, look and feel of traditional best-of-breed CMMS systems to ERP. Oracle eAM seamlessly integrates with other Oracle Supply Chain and Financial applications such as: Inventory, Bills of Materials, Work in Progress, Quality, Cost Management, Project Manufacturing, Fixed Assets, Property Management, Manufacturing Scheduling, MPS/MRP, and core Human Resources (as shared install) for employee definition and skill search. This unique integration to extensive enterprise applications improves overall organization efficiency and enables comprehensive work management capabilities.

Integrated Throughout Your Enterprise

Oracle’s work management solution is the most effective integrated tool available to utility companies today to improve their bottom line. Increased productivity and equipment efficiency is the basic tenet of effective asset management. Oracle gives management the means to coordinate maintenance requirements with overall operation requirements. Oracle’s solution helps companies avoid unplanned equipment shutdowns, schedule required maintenance at times that minimize service interference, and reduce the number and cost of equipment repairs by improving overall maintenance quality.