

Maximo® Modules and Features

Maximo modules and key features include the following:

Maximo Equipment Module
Maximo Work Orders Module
Maximo Inventory Module
Maximo Preventive Maintenance Module
Maximo Purchasing Module
Maximo Plans Modules: Job Plans, Safety Plans, Inspections
Maximo Labor Module
Maximo Calendars Module
Maximo Resources Module
Maximo Compliance Assurance Systems Module
Maximo Integration Module

Equipment Module

- Track equipment, associated costs, histories and failures of serialized equipment.
- Use asset modeling to determine relationships between a piece of equipment, its physical location & the systems with which it may be associated.
- Create hierarchies identifying operating locations as part of multiple systems.
- Build an equipment history to roll up maintenance costs.
- Build failure code hierarchies to record equipment problems for analysis.
- Set measurement points, perform trending and defect analysis through condition monitoring.
- Assign stores, repair shops, and vendors as location records to facilitate continual tracking of equipment as it is moved.
- Analyze the potential for failure based on a piece of equipment's location and the possible effects on systems with which it is associated.

Work Orders Module

- View detailed planning information: work plan, scheduled costs, labor, materials, equipment, failure analysis and related documents via Work Order Tracking screen.
- Enter simple or detailed day-to-day maintenance requests via Work Request screen.
- Record maintenance work and close work orders from the shop floor via Quick Reporting screen.
- Schedule work orders based on real-time update of criticality.
- Define and sequence work for multiple assets based on location and/or equipment.
- WBS for related work orders or projects.
- Compare real-time budgets or estimates against actuals and historical work orders.
- Track inside/outside machinery that must be off-line prior to work being performed.

Work Manager Option



- Develop daily plans and manage backlogs to lower response time and equipment downtime.
- In dispatch mode, enter work, assign employees and track ongoing jobs in real time. Centralized dispatching and shop floor dispatching are supported.
- In planning mode, assign employees to future work orders scheduled and track employee availability.
- Plan upcoming work based on priority of work and craftsperson availability.

Inventory Module

- Specification of attributes and the ability to search by attribute for Items, Equipment and Locations.
- Over 2,000 material classification templates.
- Track stocked and non-stocked items through multiple stores.
- Track items, costs and balances by bin, lot and storeroom.
- Replenish stock from vendor, ventral store, or other storeroom, when quantities fall below minimum levels.
- Reorder items automatically by shelf life.
- Track item costs by last cost, average cost or user-defined standard cost.
- Automatically reorder materials through user-defined EOQ, ROP, and Safety Stock algorithms.
- Use ABC analysis to assign inventory item priorities governing frequency of physical item counts.
- Access material forecasting and time availability information.
- Create temporary stores for carriers responsible for items in transit.
- Employ just-in-time methodologies by utilizing WO Reservation Dates as well as lead time to generate POs.
- Identify out-of-stock items or make substitutions with alternate parts, vendor and location tracking capabilities.
- Establish EOQs, ROPs and safety stock by individual storeroom.
- Issue parts directly or in batch to work orders and GL Account Codes.
- View work order reservations for inventory items.
- Display all assets on which a given part is used.
- Mandate a date/time stamped and system verified authorization before changes in inventory can be made.
- Access latest cost information and item levels instantly.

Preventive Maintenance Module

- Generate PM work orders individually, batched or automatically.
- Accommodate multiple criteria for work order generation.
- Generate seasonal preventive maintenance work orders for planned shutdowns.
- Sequence multiple job plans and consolidate multiple procedures on one PM master.
- Cluster PM work orders to take advantage of unplanned downtime.

Purchasing Module

- Create RFQ for multiple vendor bids on materials and services.
- Create purchase requisitions or purchase orders for materials and services.



- Create purchase requisitions from scratch or from the Inventory or Work Orders Module.
- Automatically create purchase orders from purchase requisitions; create purchase orders in batch from line items of multiple purchase requisitions.
- Store standard descriptions for use on PR, PO, or invoice items.
- Create agreement purchase orders to purchase parts over time.
- Automatic release of agreement POs.
- Create special orders by entering item descriptions as line items for parts not in inventory database.
- Use direct purchasing to order and issue parts and services directly to work orders or GL Account Codes.
- Analyze vendor performance when ordering parts.
- Use Invoice Matching to complete purchasing cycle within Maximo for seamless interface with other enterprise financial applications; automatically perform two-way (PO/Invoice) and three-way (PO/Receipt/Invoice) matches.
- Define an unlimited number of currencies to track purchases from different countries.
- Optimize purchasing efficiency with electronic commerce.

Plans Module

Job Plans

- Track multiple quantities and costs by operation or job plan.
- Divide job plans sequentially, each with its own parts, labor and tool estimates.
- Automatically retrieve the most current rate and cost information for material, labor and tool cost estimates.
- Duplicate job plans for modification.

Safety Plans

- Hazardous material identification.
- Identification of hazards that can be eliminated by Lockout/Tagout.
- Identification of hazards that cannot be eliminated with their resulting precautions.
- Ability to identify affected equipment and locations.
- Associate and track permits.

Inspections

- Define Inspection plans and schedules for inspection.
- Record Inspection information thereby enabling auditability of statutory requirements.
- Analyze Inspection data to support Predictive Maintenance.

Labor Module

- Store information by employee, craft, or contractor.
- Maintain personnel files for each employee's attendance, vacation, sick, and non-productive work time; track overtime history and individual pay rates.
- Create craft records including regular and overtime pay rates.
- Associate labor records with craft records for organizing labor by craft.
- Report actual labor on work orders in timecard format.

Calendars Module



- Create schedules for equipment, craft, and labor records.
- View calendars via start/end date illustrating shifts, holidays, and vacations.
- View calendars by month or day displaying total work hours available.
- Associate calendars with labor and craft records to plan work based on equipment and labor availability.

Resources Module

- Maintain detailed company, service contract, and tool records for use in other modules to plan and analyze maintenance work.

Compliance Assurance Systems Features

- Track regulatory compliance activities by agency: planning, implementation and documentation.
- Control, verify and document precautions, storage, treatment, transportation and disposal of hazardous materials and wastes.
- Set up and track countless compliance details, such as instrument calibration, emissions data, groundwater waste volume, radioactive waste, operating hours, operator training and certification, scheduled parts replacement, equipment specifications, and hazardous container locations.
- Document safety and emergency processes and procedures.
- Facilitate safety, regulatory and permit sign-offs.
- Identify and track step-by-step safety and lockout/tagout procedures.
- Establish links to regulatory agencies, documents, filings, service bulletins and recall information.
- Preview current best practices and standards to aid compliance decisionmaking and modeling.
- Create a clear, complete audit trail.

Integration Features

- Risk free integration with multiple financial systems including commercial integration to SAP, Oracle and PeopleSoft.
- Eliminates duplicate handling of data and ensures upgradeability to future versions of Maximo with commercial APIs.
- Supports double entry accounting for complete integration with your own financial system.
- Manage purchasing process via Maximo or integrate with your own financial system.
- Take advantage of user-defined financial calendars to correlate directly with your accounting periods.
- Summarize transactions for integration while providing detailed audit trail information in Maximo.
- Preserve your corporate General Ledger codes through Maximo's customizable, multi-segment General Ledger account field.
- Use Application Launching to register and launch applications from within any Maximo module.
- Use Documents function to establish relationships between drawings and equipment; launch drawings and images in their native application.
- Use Chart of Accounts to validate and control financial GL accounts.



- Access Maximo data directly, query or update the database, and run reports with Interactive SQL.

