External Apps and Interfaces

External System | **Document Management** | **GIS** | **External Reporting Tools** | **Configuration Management** | **Financial System** | **Timekeeping**

- Data from Diagnostic Systems
- Asset Data Integration
- Document Management and Linking
- Mobile Access to Documents
- Link (both ways) to GIS
- Reporting Tools
- Capital Projects Reporting
- Total Cost of Ownership Reporting
- Asset Category / Class Composition
- Replacement Plan (ULB / Obsolescence)
- Integration with Configuration Management
- Data from External Asset Management
- Import External Transaction Data
- Integrate Financial System

Asset Information
- Central System of Record
- Basic Asset Attributes
- NTD Reporting Attributes
- Asset Data System Identifiers
- GPS/GIS Position Information (Fixed)
- Asset Hierarchy
- Location by Mile Post
- Classes or Grouping of Assets

Asset Status
- Ownership Status
- Status - Location
- Asset Assignment
- Owner Info
- GPS/GIS Position Information (Mobile)
- Usage Readings

Asset Condition
- Condition Rating System
- Condition Assessment - Risk
- Condition Assessment

Asset Usage
- Asset Rate and Usage Calculation
- Availability Calculations
- Availability - Seasonal Variations
- Usage for Components

Asset Configuration
- Asset Model Configuration
- Change Management Process

Asset Components
- Components
- Component Serial Number Tracking
- Component Installation and Removal
- Component Compatibility
- Part Rebuild
- Component Service Life

Work Records
- Digital Workflows for Review and
- Multiple Shop / Work Locations
- Ease of Use

PM / Inspection
- Automated Compliance Tracking and
- Contractors for Preventative Maintenance

Inspection
- Inspection Schedules
- Digital-First Inspections
- Pre-Use and Frequent Inspection
- Common Inspection Record to Satisfy
- Inspection Data Retention Periods

PM
- PM Service Calculation
- Incorporate Season and Weather
- PM Notification
- PM Job Plan

Work Recording
- Capture All Work on Work Orders
- Contractor or Vendor Work
- Work Order Attachments
- Mobile Digital Work Orders
- Task Coding on Work Orders
- End-User Field Service
- Work Packages
- Record Checklist and Results
- Work Orders against Assets in Hierarchy
- Checklists (Digital)
- Mechanic/Technician Records Work
- Minor Work
- Hours Worked on Work Order / Asset
- Parts on Work Order

Work Context
- Capture Usage Readings on Work Orders
- Record GPS Locations to Work Location
- Categorize Costs (OPEX/CAPEX)
- Cost Accounting - Handling Changes
- Reimbursable Work
- Cost Reporting
- Warranty

Work Problem
- Capture Reasons for Failure
- Complaint / Cause / Correction (3C's)
- Failure Analysis

Work Timekeeping
- Time Tracking
- Hours of Service (HOS)
- Asset Field on Timecards

Work Initiation
- Generate Work Orders from Inspection
- Checklist Criteria for Repair - Create Work
- Work Order Source
- End-Users and Work Orders

Work Status
- Out of Service Coding and Duration
- Work Order Notifications
- SLAs for Response Times

Work Plan / Schedule
- Scheduling and Planning
- Custom Categorize Work Orders
- Prioritization of Work Orders
- Group Work Orders by Geographic Area
- Future and Unscheduled Work Orders
- Reassign, Split, or Child Work Order
- Assign Work Orders
- Estimated Effort on Work Orders

Equipment Management
- Equipment Check-Out / Check-In

Inventory
- Material Inventory Field Locations
- Component Parts - Obsolescence
- Component Parts - Criticality
- Min-Max Parts Inventory
- Inventory Purchase Plan