

MAINTelligence™

Enterprise Asset Performance Management System

Asset Performance Management



MAINTelligence™

Maximizing Asset Utilization

MAINTelligence™ utilizes a customized, multi-tiered approach to asset management, maintenance scheduling, and all condition based maintenance technologies. Rooted in asset management, our advanced applications are tailored for equipment health assessment for a completely integrated and automated equipment reliability system.

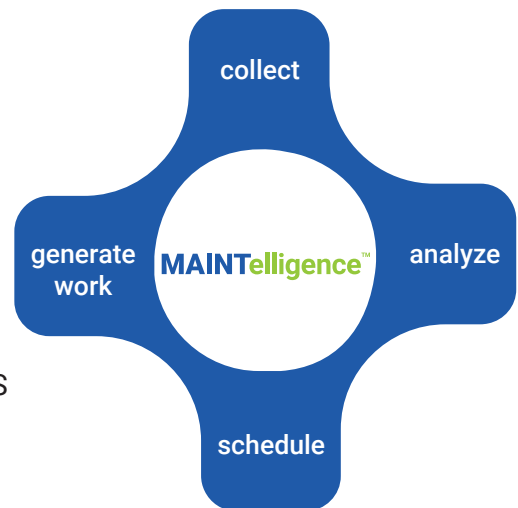
How MAINTelligence™ Works For You

A Reliability Focused CMMS

MAINTelligence™ creates a framework that incorporates the CMMS aspects of collecting costs and allocating resources with a focus on reliability. Thus, MAINTelligence™ is the ultimate management tool for predictive and inspection-based maintenance data, along with standard corrective and preventive maintenance work orders.

Auto-Generate Work Orders based on PM Data

PdM procedures are auto-generated in MAINTelligence™ by integrating asset basic care and predictive maintenance findings into a maintenance task schedule for results-based, proactive maintenance. Gone are the days of unused inspection data. Maintenance schedules will auto-change in real time based on inspection and measured asset condition. Easily integrated with other ERP and EAM systems, the CMMS - DMSI interface will trigger work orders as you need them.



MAINTelligence™

The Intelligent Approach

MAINTelligence™ Is the Complete Solution

Assets requiring attention, data on why, and the work status are readily apparent and accessible. Work requests and work orders can be scheduled along with the applicable resources for the work--parts, tools, personnel and contractor--with ease. Intelligent diagnostics and alarms auto-trigger work orders as necessary and the reliability expert saves both valuable time and money.

Connect MAINTelligence™ with Your Plant Software

A great reliability program is in direct correlation to the smooth partnership between maintenance, operations, planning and other departments. It is built with tools that both simplify and create these adept partnerships, fostering company-wide support. We believe in providing the flexibility to choose which key information to share for strengthening partnerships and support between programs and departments. Built with an open data exchange, MAINTelligence™ integrates with nonproprietary systems and hardware.

Customize Your Reports for Optimal Usage

MAINTelligence™ offers a vast database of reports which can be sorted and filtered according to your preferences and requirements. The built-in Report Editor makes it easy to modify any report or label in MAINTelligence™. Our interface also allows you to create your own reports:

- Include drawings, images, graphs, checklists, detailed instructions and special notes on your work orders and reports.
- Customize reports with your company's logo, colors, fonts, and page numbering method
- On-screen preview with pan, scroll, and zoom options.
- Print, email, convert to web, fax, or export to Excel, Word, and PDF.
- Instantly generate a barcode and add to a report or label.

MAINTelligence™ Connects With:

1. Condition Monitoring Data Collectors across disciplines
2. All major Oil Analysis laboratories
3. ERP / EAM systems (SAP R/3, IBM MAXIMO, Ventyx, JD Edwards etc.)
4. Process Historian Systems (OSISoft PI)
5. Remote Citrix Metaframe

Don't see yours? Contact us today to see how MAINTelligence™ can connect with your system.



We Give You the Control

Tools and Features

Equipment Reliability

The tools you need to plan, control, and monitor all of your maintenance-based expenditures. MAINTelligence™ ensures accurate and timely maintenance tracking, cost-effective inventory control, tool crib and contractor management, root cause failure analysis, and much more...



Maximize Plant Asset Usage

Maximize asset usage and minimize maintenance costs with real-time reports and centralized data collection.

- Track equipment, components, their systems & locations.
- Manage repairable spares, components and sub-assemblies through their entire lifecycle from acquisition and installation through repair cycles, and inevitable replacement.
- Customize asset information with user-defined fields for any class of facility, equipment or component.
- Manual or automatic record meter data points for tracking usage, mileage, etc. Auto data points can be collected and transferred into the MAINTelligence™-compatible OSIsoft PI interface data via historian software packages such as OSIsoft PI.
- Increased mobility and system functionality using bar coding to design and print asset labels.
- Track extensive asset information: criticality, status, manufacturer, service and support contacts, warranty information, nameplate data, and so much more!
- Track asset work histories, operational event logs, current condition status and costs.

Work Order Management

MAINTelligence™ allows designated plant personnel to submit maintenance requests to the maintenance planner and track progress from request approval through to completion. The flexible MAINTelligence™ interface allows direct work requests, or via a handheld device or third party program.



Work Orders

From installing new equipment, carrying out preventive maintenance work, or managing critical shutdowns, MAINTelligence™ tracks all asset-related work. The ability to track and manage work requests, labor, planning, and scheduling allows companies to make the most of their resources while improving productivity.

- Approve simultaneous tasks and requests upon entry.
- Assign priority status, labor time, parts, tools, contractors, and costs to each work order.
- Auto-update parts inventory records.
- Work order backlog provides outstanding work orders lists searchable by any field.
- Capture meter readings, downtime, and lost production on work order records.
- Manage work order assignments. Ex. all work orders assigned to or by a particular person.
- Fast and simple non-scheduled, emergency, or previous work orders.

MAINTelligence™

Control Inventory

MAINTelligence™ can help you realize considerable savings through an efficient parts inventory system.



Control, Identify and Track:

- Control your inventory of spare parts, lubricants, and other consumable items.
- Identify obsolete parts and ensure stock levels reflect current usage.
- Identify out-of-stock items or make substitutions with alternate parts, vendor and location tracking capabilities.
- Track items, costs and balances by bin, lot and store room location.
- Track item costs by first cost, last cost, average cost or user-defined standard cost.
- Share information on spare parts across multiple storage locations.
- Easy access to all parts and supplier purchase history.
- Automatic cross-references to Bill Of Materials in Plant Manager.
- Automatic purchase requisitions when quantities fall below minimum levels.
- User-defined EOQ, ROP, and Safety Stock Methods can automatically reorder materials.
- ABC analysis for item prioritization of on-hand amounts for controlled and less-monitored inventory.
- Employ just-in-time methodologies by utilizing Work Order Reservation Dates as well as lead time to generate Purchase Orders.
- Display all assets on which a given part is used via BOM or work history.

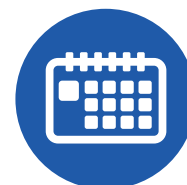
Plan, View and Automate:

- Instant access to the most up-to-date cost information and parts inventory.
- Create and view automatic parts reservations and inventory usage logs.

Planning and Scheduling

Staying on schedule has never been easier.

MAINTelligence™ is designed around SmartSchedule™, a powerful dynamic scheduling system that can create and administer work orders based on preventive, inspection and condition-based maintenance information. MAINTelligence™ auto-generates work orders and modifies maintenance schedules based on alarms or knowledge-based diagnostics. Maintenance schedules reflect changes in your plant environment if data exceeds controlled parameters for seamless workflow optimization.



Scheduling Flexibility

- Control the scheduling of Preventive Maintenance tasks for any of the facility, equipment and component items in your database.
- Group tasks together in a "task route", and/or schedule as a single item.
- Numerous scheduling options available to trigger tasks and work order generation.
- Schedule by calendar, both fixed and elapsed dates.
- Schedule by meters, such as: operating hours, mileage, production counts, etc.
- Schedule by equipment condition, alarms or knowledge-based diagnostics, and operations and production schedules.
- Opportunistic scheduling (based on machinery availability).

MAINTelligence™

Manage Purchase Requisitions and Purchase Orders

The MAINTelligence™ Purchasing Module integrates with the Parts Manager to help simplify the Requisition → Order → Receiving cycle.



Resource Management

All the tools you need to organize and effectively manage your manpower with detailed information for making key decisions to maximize resources while minimizing costs.

Tools Management

The level of detail you want to include in the management of your tools is up to you. Include a little or lot, all the key areas are included to maximize your tools.

Contractor Management

Incorporate contractors and outsourced labor information for a complete overview of all operation and maintenance costs.

Intuitive and Powerful

See all of your maintenance and reliability data with a single mouse click. MAINTelligence™ features an intuitive user interface for fast and seamless access to daily scheduling, work management, and reporting tools. Find assets quickly thanks to a combination of hierarchical and list views for maximum utilization. The result: maximum utilization by the end users and a significant reduction in start-up, implementation and training costs.

Job Overdue Status and Condition Alarm

- View status on the Plant Hierarchy and List Views at all times.
- Consistent and easy to understand Data Entry forms.
- Powerful find-and-replace capability simplifies bulk data edits.
- Unlimited query and report capabilities.
- Simply right mouse click for all object actions (editing, scheduling, and data display).

Advanced Database Management

A host of database management tools to make your job easier: control, audit trail management, database replication, and more..



Administrators can easily add and maintain users, groups, group permissions, and object permissions. The advanced design ensures that different users see different features of the MAINTelligence™ system according to your specifications.

Activate audit trail logging of all user actions for an added layer of security. The MAINTelligence™ audit trail is designed to help you meet the record-keeping requirements of 21 CFR Part 11, and other quality system requirements.

The MAINTelligence™ database is fully ANSI SQL 92 compliant. Optional database replication functionality lets you carry out bi-directional, real-time replication of MAINTelligence™ databases over your LAN, WAN or over the Internet.

MAINTelligence™ also includes utilities for database backups, archiving old records and service requests, database exports (to Excel, ODBC, ASCII and XML formats), and importing records from other databases.

Mobility Options

Handheld Portability for Workflow Management

MAINTelligence™ handheld solutions offer both a wired and wireless upload/download solution — all in the same, compact package. The MAINTelligence™ handheld solution also facilitates the use of Risk-Based Inspections (RBI). With easily accessible data, you can expect improved asset performance and increased availability, and decreased lost-labor time.



InspectCE™

Record and Review PM Data on Routes

MAINTelligence™ also operates with the InspectCE™ handheld system to automate the time-consuming process of carrying out operations and maintenance-based inspections. This includes the capability to create inspection routes, enter specific measurement points and the elements to be measured, and record results.

The Mobile Solutions software handles different asset basic care inspection rounds including:

- Maintenance inspection data collection
- Operations asset inspection
- Lubrication management
- Safety, health and environmental

What information can InspectCE™ display to operators?

- Asset identification: Barcode and RFID tags
- Pre-inspection instruction notes
- Alarm indication response notes
- Parts lists and bill of materials
- Reference image
- Trend charts of previously recorded values

What data can you collect with InspectCE™?

- Pressure, current, flow, etc.
- Operating hours and meter readings
- Checklists, single and multiple selection
- Usage and level recording
- Lubricant and grease application recording
- Free form or predefined notes
- Sound recording
- Images using built-in camera
- Temperature (using infrared thermometer)
- Vibration, overall / waveforms (using Inspect Vibe™ digital accelerometer)
- Work Requests for off-route assets





Your complete solution for customized operations and maintenance management.

For over two decades DMSI has developed practical and inexpensive solutions to the everyday problems faced by industrial, military, and transportation organizations. A leading asset performance management system both under the DMSI and OEM umbrella, our globally recognized solution is made with you in mind.

The MAINTelligence™ system allows us to offer the full benefit of our technology directly to you. Industry professionals now have access to a world-class asset performance management system that combines cutting edge technology with practical functionality and ease of use. Featuring affordable pricing, these are solutions you can't afford to be without.

We want to help you achieve your operations and maintenance goals more easily, efficiently and cost-effectively than ever before.

MAINTelligence™. The intelligent approach to maintenance.

MAINTelligence™
Enterprise Asset Performance Management System

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