## We Optimize Your Supply Chain DEMATIC

#### DEMATIC NETWORK RUNS 13\_001929 517-FL1-Z41 517 Floor 1 Zone 41 Request 1-Emergency Location Maintenance LocationDescription Priority Equipment Identifier shop EquipmentDescription OTHER / MISC 520 13\_004152 BUILDING 520 3-Medio Request Maintena LocationDescription Location MCS. Priority Equipment Identifiet shop atDescription

# Enterprise Asset Management

### **STREAMLINE FACILITY MAINTENANCE OPERATIONS & REDUCE COSTS**





## Dematic Sprocket

### **ENTERPRISE ASSET MANAGER (EAM)**

Dematic Sprocket is the facility solution for maximizing the productivity and reliability of your operation. Take maintenance requirements to the next level — integrate them into a systematic solution that returns cost by reducing breakdowns and extending asset life.

Dematic Sprocket is as flexible as it is powerful:

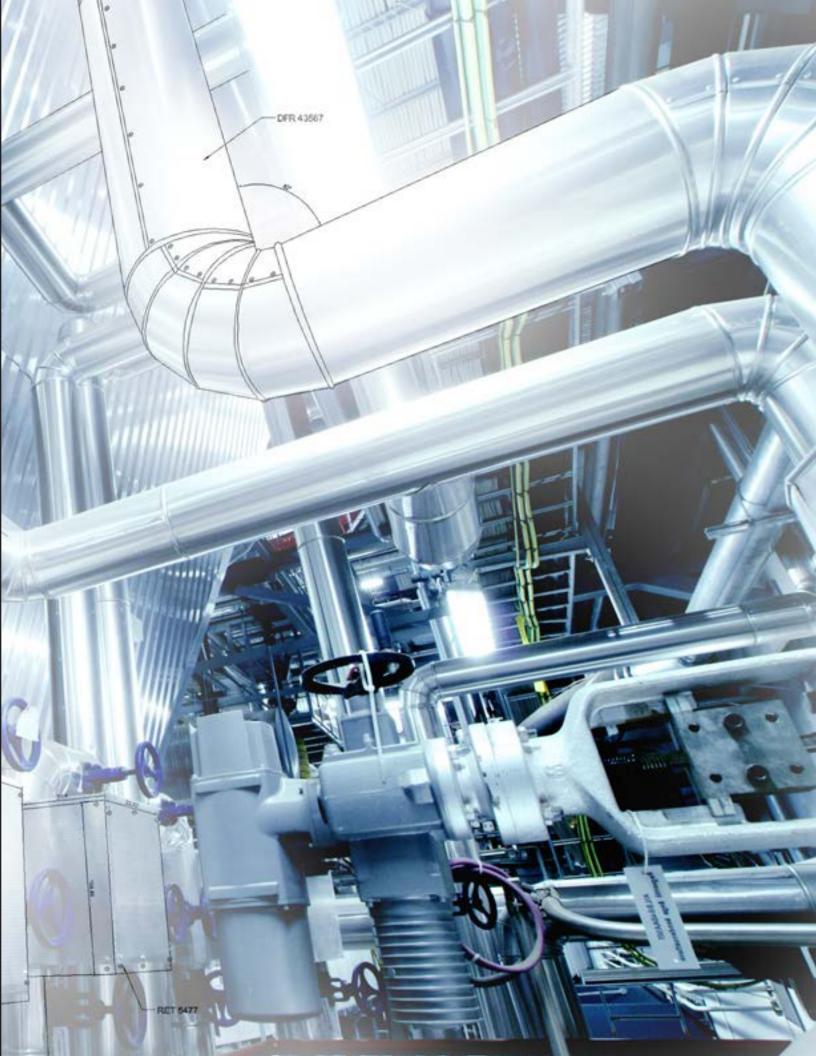
- A Web-based solution that can be hosted onsite or offsite
- An Application Programming Interface (API) for straightforward integration with existing SCADA, ERP and .NET systems
- Mobile user interface options for untethered access with smart phones or tablets

Dematic Sprocket features a modular architecture that addresses each critical area of efficiently maintaining your facility assets.

#### **TOTAL EAM SOLUTION**

Dematic has been meeting the global needs of maintenance and reliability professionals worldwide by integrating the components of facility and asset management into Dematic Sprocket.

With more than 500 implementations and over 10,000 users, we enjoy a customer renewal rate of nearly 100%. It is all part of our commitment to deliver and deploy EAM software solutions on time and on budget.



#### Minimize Data Management

CERENCE EL

0

Group multiple assets by classification onto a single PM to minimize data work. A single PM can have multiple assets with varying frequencies and procedures so all of your Preventive Maintenance schedules and tasking are in one place.

## Preventive Maintenance

### **BEYOND PREVENTIVE AND INTO PROACTIVE**

Every asset and consumable has a life cycle. A good preventive maintenance (PM) program maximizes those life cycles.

Its goal is to find that sweet spot between the costly downtime of over-scheduling preventive maintenance and the mad scramble caused by unanticipated failures.

Dematic Sprocket provides the tools to ensure optimal performance and productive value.

#### FEATURES

- Automatic PM Generation: Puts assets on a defined schedule and creates maintenance work orders
- Forecasting Reports: Supplies estimated labor and parts requirements throughout the year with forecasting dashboards
- Load Balancing Reports: Uses built-in data for continuous optimization
- **Customized Route Creation:** Optimizes servicing multiple assets in a single area
- **Powerful User Interface:** Schedules, procedures and asset records all created from one screen
- **Simplified Management:** Multiple assets per PM schedule places multiple items on a single schedule
- Convenient Data Collection: Interactive inspections can be attached to PM work orders to collect data while visiting the asset
- Flexible Scheduling: Automatic stop and start for seasonal PMs; multiple schedules for individual assets

- Reduces maintenance costs by minimizing downtime and reactive repairs through systematic equipment checks
- Provides real data for asset life cycle by comparing preventive to reactive repairs
- Creates corrective work orders while performing preventive maintenance tasks
- Determines asset life cycle by comparing preventive to reactive repairs
- Provides kits to plan ahead for future parts needs based on scheduled maintenance
- Allows a PM to be generated manually when equipment is available

## Work Management

### **OPTIMIZING YOUR ENTIRE MAINTENANCE SYSTEM**

Automate your work processes. Free technicians from managing work orders and let them go directly to completing them.

Dematic Sprocket provides a streamlined solution for effectively managing and scheduling maintenance activities and resources.

As labor requirements are reduced, productivity and profitability grow throughout your operation.

#### FEATURES

- Flexible Design: Customize screens and workflows to match your maintenance processes
- **Optimized Procedures:** Generate and assign work orders automatically based on technician skill-sets
- Enhanced Project Management: Combine activities to simplify and streamline managing your assets
- Automatic Alerts: Trigger email notifications for different stages of the work order cycle
- **Unique User Interface:** Customize fields and properties to fit your culture
- **Hierarchical Order:** Take advantage of parent/child work order setup for better project management

- Increases productivity with easy-to-use interfaces that includes shortcuts for swift efficiency
- · Provides deep visibility into daily work activities
- Eliminates emails and faxes from facility employees — customer portal allows end-customers to submit tickets
- Delivers a cost summary of work orders that includes both spare parts and labor time
- Accommodates varying workflows by creating unique work order types
- Emphasizes pertinent information to specified user groups with show/hide screens

## Accountability. Visibility. Reliability.

Tracking technician work orders and time allows you to better schedule maintenance tasks and institute best practices in your facility.

Technicians navigate through work order screens with ease to update with parts checkouts, time postings, and track equipment downtime.

Improved data accuracy ensures maintenance tasks are completed efficiently, which makes your entire operation more productive and reliable..

1.2

10

#### Proactive Maintenance Through Predefined Meters

Customize meter thresholds for your warehouse assets to track run time and identify potential issues before they become detrimental to machine health. Better yet, with Dematic Sprocket and its flexible integration options, you can set up automated alerts so your assets let you know when maintenance is necessary.

> 19) 1

.....

----

....

....

-

÷

 $\sim 1$ 

## Asset Management

### PEAK EFFICIENCY FROM COMPLETE ASSET CONTROL

Effective Asset Management is the key to success for any operation. Unplanned downtime and machine failure lead to lost productivity and ultimately lost profits.

Dematic Sprocket provides the insight you need to install, operate, maintain, and retire assets cost-effectively for current and future production.

Dematic Sprocket is a complete system for assessing and tracking equipment repairs as well as forecasting future needs for better capital planning — both of which keep your facility competitive and efficient.

#### FEATURES

- Alerts and Meters: Can be integrated with your monitoring system to send real time data about your assets to Dematic Sprocket
- Warranty Tracking: Manage vendor, contract, and warranty details by asset
- **Preventive Maintenance:** Track schedules, monitor due dates, view history, forecast labor and parts needs
- **Track Metrics:** Measure equipment performance and reliability using built-in KPIs
- **Spare Part Control:** Customize a bill of materials by asset for accurate parts usage when performing maintenance

- Improves reliability and increases uptime by providing metrics to better understand facility operation
- Extends asset life through systematic preventive maintenance
- Improves quality runtime out of physical assets by monitoring asset life-cycle
- Lowers total cost of ownership by maximizing value of assets
- Reduces overall reactive repairs by anticipating when assets are near the end of life-cycle

## Inspections

### FLEXIBLE CAPABILITIES FOR VERIFYING COMPLIANCE

Inspections are important, often required. Quality assurance checks, safety and hazard inspections, meter readings — all are critical to verifying compliance and efficiency.

Dematic Sprocket builds, schedules, performs and updates information into the system in real time, providing reliable data about your facility.

#### **FEATURES**

- Customizable Answer Lists and Data Types: Adapt the software to match your system
- Intelligent Design: Generate work orders automatically when assets fail inspection or reach a specified run time
- Multiple Input Options: Perform inspections using hand-held device, web or paper (for later data entry)
- **Discrete Control:** Link inspections directly to an asset or its preventive maintenance schedule
- **Complete Database:** Reference entire history of all inspections
- Meter Thresholds: Create to automatically generate scheduled maintenance based on usage intervals

- Prolongs asset life through regular performance monitoring via equipment condition assessments
- Provides predictive maintenance and capital asset management
- Eliminates data entry by automatically generating child work orders or through direct integration with your SCADA system
- Tracks trends based on data captured over time to help make informed decisions
- Creates customer surveys to ensure high level of satisfaction

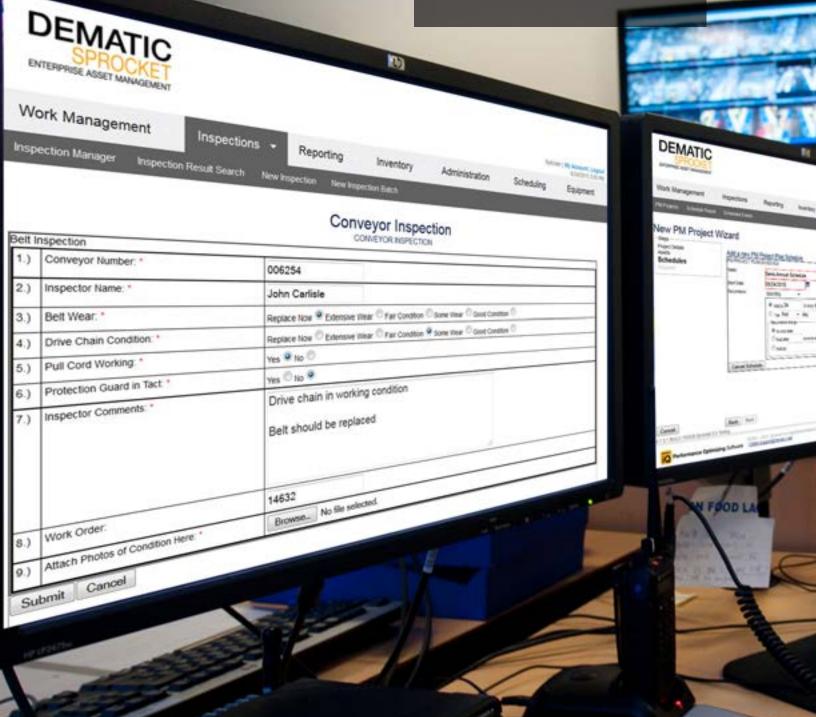
#### **Automate Processes**

Dematic Sprocket has the capability to automatically trigger corrective work orders when an asset fails inspection, minimizing the time it takes complete tasks on the floor.

You can use this data to track trends and perform analysis to better forecast future needs for your facility.

#### **Instant Data Access**

Dematic Sprocket provides access to real-time data from anywhere in your system. Reports are easy to understand and always available. They can be exported to spreadsheets or even be scheduled to run automatically and sent via email to facility decision-makers.



## Reporting & Dashboards

### **DEEP VISIBILITY INTO YOUR SYSTEM**

To know what is going on in your system, you need to be able to see what is going on in your system. Sounds simple enough. And with Dematic Sprocket, it is.

From asset data to financial data to key performance indicators (KPIs) to inventory turnaround, Dematic Sprocket presents your vital system information on an attractive, organized dashboard.

Professional reports can be generated easily by users or Dematic can design them for you.

#### FEATURES

- **Easy-to-Read:** Clear and concise list reports, enterprise reports and dashboards
- Adaptable: Customized templates, fields, formulas and filters with access to all data
- **Powerful:** Enterprise-level reporting generated from multiple campuses, facilities and databases
- Access Control: Reports can be limited to users with permissions to view them
- **Exportable:** Data can be saved into XML spreadsheets
- Standard Reports Included: Typical, businessstandard reports provided

- Tracks KPIs, estimates future expenditures and manages inventory in one console
- Provides customized login portal for snapshots of facility performance
- Generates simplified reports tailored specifically for management
- Forecasts future needs and predicts changes in costs and activities
- Supplies intuitive financial reports to manage budgeting
- Creates scheduled reports that can be emailed automatically

## Mobile Maintenance

### WORK FASTER. WORK SMARTER.

It's your facility. You should be able to get asset information at any time, any place. And with Dematic Sprocket, you can.

Your data quite literally is at your fingertips. Dematic Sprocket allows technicians throughout your facility to always be connected using a mobile device.

Mobile access reduces the time required to enter, approve, dispatch and close work orders. Real time communication speeds up response time to keep technicians within the bounds of service level agreements.

#### FEATURES

- **On-the-Spot EAM Control:** Create and close-out work orders, perform inspections and storeroom physical counts, create inventory lists, index assets
- Real-Time Work Receipts and Assignments: Update technicians on the floor with new assignments
- **Configurable Screens:** Customize to match your maintenance program
- **Time Summary Reports:** Daily and weekly reports enabled by immediate data entry
- **Barcode Scanner Tethering:** For accurate parts and equipment data
- Local Application on Device: Allow technicians to continue working even if they get disconnected

- Eliminates backlogs by empowering technicians to post time and materials, and close work orders at job completion
- Allows technicians to view asset or part history anywhere, at any time
- Provides quick notification and response to high priority issues
- Decreases labor requirements to finish work by reducing work order backlogs

#### **Improve ROI**

With Sprocket Mobile, technicians can receive, react, and update warehouse tasks instantly, regardless of time or place. This minimizes travel time in-between tasks and increases time spent maintaining equipment.

Technicians can accurately and immediately update notes, inspection results, time, and parts, all the while reducing labor requirements to perform these tasks.

Sprocket Mobile is supported by a range of mobile devices such as smart phones and tablets.



## **Inventory Control**

### COUNT. REPLENISH. MANAGE.

What is it? Where is it? How many do we have? The first step to proper maintenance is knowing the assets you have.

Dematic Sprocket knows it all — purchases and approvals, bar coded inventory, spare parts validations, tool management.

The result? Improved response time, higher work order completion rates and better spare parts planning for reduced equipment downtime.

#### FEATURES

- Accurate Item Updates: Cost and vendor information are updated system-wide when parts are received
- Approved Purchases: Rules automatically route purchases for quick part order processing
- Automatic Bills-of-Materials: Built-in inventory reports show accurate spare parts lists by individual asset
- Inventory Replenishment: Purchase requisitions automatically generated by setting MIN/MAX levels
- **Physical Counts:** Ability to import mass storeroom counts or submit individual counts from a computer or mobile device
- Vendor Management: Capability to identify preferred vendors and rank them based on order history to expedite purchase requisition creation
- Flexible Part Checkout: Inventory posted to a job or work order by computer in the storeroom or from a mobile device while at the asset

- Improves budget management planning by providing better visibility into on-hand inventory requirements
- Optimizes on-hand storeroom levels and keeps critical parts readily available through lead time and usage monitoring.
- Reduces downtime through effective staging of parts and purchases
- Increases accuracy by providing immediate access to a Bill of Materials and historical parts usage, so technicians can be sure they get the right part
- Makes it easier to complete work orders more quickly by making parts readily available to technicians

## Service Overview

### LONG TERM SERVICE SUPPORT

Dematic Sprocket is not just a software application it is a complete maintenance solution. The Dematic team recognizes the high availability needs of your assets and operations. Accordingly, we have created a service program that accounts for those needs, from implementation to launch to ongoing support.

The programs starts at implementation. A Dematic consultant guides you through data collection and cleanup to validate data integrity. We work with you through site configurations and training on various features throughout the application. After your site is up and running, Dematic is there for complete service support.

#### **FLEXIBLE AND SCALABLE**

- Provides flexibility by allowing you to configure your maintenance program to meet the unique challenges of your particular operational processes. (No two facilities are exactly alike.)
- Provides scalability with a design that accommodates maintenance programs from a single facility at a single location to multiple facilities over many locations.

#### **EXCEPTIONAL DATA PREP SERVICE**

- The Dematic Sprocket support staff can stage all of the Dematic data on your Dematic Sprocket site. This saves hundreds of work hours typically required for data collection.
- For non-Dematic data, the Dematic Sprocket support staff provides best practices for collecting and formatting data.

#### PROVEN IMPLEMENTATION PROCESS

- The Dematic Sprocket support staff works hard to learn your business to ensure the correct implementation the first time.
- The Dematic Sprocket support staff maintains a 97% renewal rate year after year, a direct result of our implementation program and fantastic customer support.

#### **COMPLETE INTEGRATION**

- Works seamlessly with all software applications in the Dematic iQ suite.
- Connects with PLCs allowing it to communicate directly with your controls; customers receive alerts, runtime, and downtime reports in real-time.
- Can increase productivity by integrating with other enterprise systems, such as SCADA, GIS, ERP, and CRM systems.

#### **CONTINUOUS PROCESS IMPROVEMENT**

- The Dematic Sprocket support staff continues to work with you even after the implementation to assist with change management and continual process improvement.
- Dematic Sprocket features the Success Program to help you evolve their maintenance management system as you become more experienced and business demands change.

#### Many Options. Single Focus.

Dematic Sprocket offers a range of support services to ensure success with the program. Services have been designed to continue the support effort before, during, and after implementation.

In addition, optional service can be provided:

- Custom Report Writing
- Data Manipulation
- System Configuration
- Custom Development & Integrations

