Davison Systems, LLC
www.DavisonSoftware.com

Simple and flexible CMMS and predictive (PdM) solutions

Davison CMMS

Equipment Information

- Each equipment can be subdivided into components:
- Assign preventive maintenance by components.
- Allows switching components with other equipment.

Work Orders

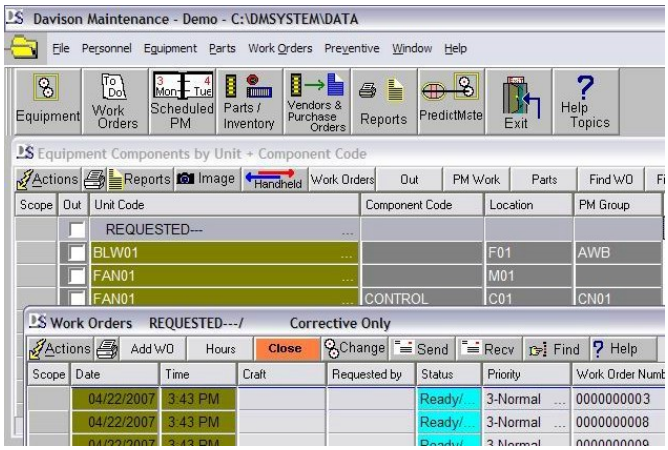
- Work Request from a simple window.
- Import requests directly from an email account.
- Active Work Orders are easy to print.
- Email Work Orders from one button.
- Print a picture with a work order.
- Assign status, cause, and priority.

Preventive Maintenance

- Easy scheduling by one Month/Day.
- Condition-Directed with PredictMate
- Complete by handheld (PDA).
- Calendar-based in periods of 1 Day to Ten Years.
- Time-based according to last date completed.
- Elapsed time (hours or mileage)
- Undo PM scheduling and completion.

Inventory (Parts)

- Assign inventory groups to work orders or equipment.
- List work orders with not enough parts.
- Update inventory from handheld PDA.



Handheld device (PDA) transfer with Equipment, Work Orders, Preventive Maintenance, Parts Inventory, and Predictive Readings.

PredictMate ®

Improve Reliability
Manage Data Collection

PredictMate warns you of impending equipment failure, comparing readings to alarm limits or trends.

Readings are:

- Entered manually.
- Imported from handheld device.
- Imported from external data files.
- Imported from SCADA.
- Scheduled for equipment sorted by location, route, or equipment group.

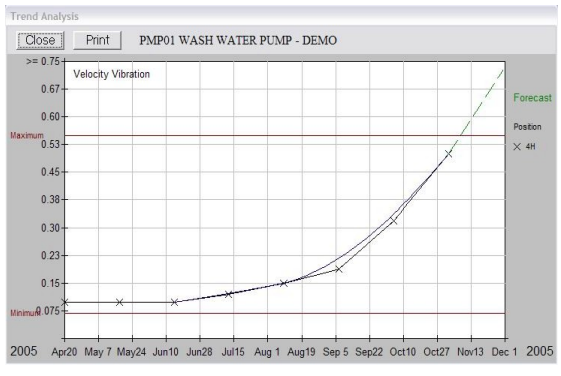
You can add about any type of reading to PredictMate, like vibration, amperage, cycles, temperature, or runtime hours.

Prevent Failures
Cut Costs

Readings are usually scheduled daily, weekly, or less often, but readings every second are allowed.

- Prints alarms and forecasted trends.
- Sends work orders to a CMMS.
- Forecasts the date that alarms will occur in both the Alarm Report and trend graphs.

Analyze alarms, trends, and forecasted alarms with graphs that are easy to select.



PredictMate with CMMS

- Print predictive readings with PM tasks.
- Condition-Directed PM from alarms.
- Corrective work orders in the CMMS from alarms in PredictMate.

Setting PredictMate ® Alarm Limits

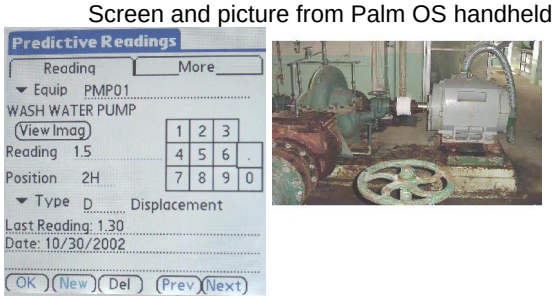
PredictMate will report alarm limits by **one** of the following four methods for each equipment unit, depending on how much information you enter.

1. Let PredictMate set limits from past data. At least six past data points are required.
2. By the type of reading where no other limit exists for the equipment.
3. By a group of equipment, related by components where no specific limit exists.
4. Setting the specific limit for each equipment reading.

Data Collection Methods

Receive data from SCADA, or "HotSync" from a handheld (Palm Tungsten E2 or equivalent). Scheduled readings export to Handheld device. Use barcode or pictures on the handheld to identify equipment.

Screen and picture from Palm OS handheld



Manually input readings as scheduled by PredictMate. Data is entered on the PC in data sets that match the printed list.

Equipment Readings Due on 07/21/2002 Default interval 30 Days

Location: IP Influent Pumping Staion Route # 5.00000
Unit 11111 Influent Pump Station - General Interval: 28 Days

Position	Type	Last reading(s) by John Smith New reading(s) by:	on 01/07/2002 on ___/___/____
1H	Displacement Vibration	2.50	_____.___
1H	Velocity Vibration	0.75	_____.___
1V	Displacement Vibration	0.50	_____.___
1V	Velocity Vibration	0.88	_____.___
2V	Displacement Vibration	3.50	_____.___
3V	Displacement Vibration	1.75	_____.___

Note on 1/7/2002

Reports

- Run reports easily from the same data browser where information is changed.
- A Tag and Scope column allows you to select specific records for reports.
- Change reports by ReportWorks ® Lite.

Update a host-reporting server from many remote sites. Data replicates from the remote site to a host location with MS Access, SQL Sever, SyBase, MySQL, or Oracle. Or get data from ZIP-file backups from the remote. This is economical and stable where remote connection is sporadic or slow.

Context-sensitive help

- Help buttons go to related documentation.
- Tutorials show step-by-step instructions.

"This software meets or exceeds all of our requirements for preventive maintenance scheduling and work order tracking. Davison Software has always provided timely and personal support as necessary. I would purchase this product again."

Karl Royer, O&M Manager
East Bay Dischargers Authority
San Lorenzo, California

"We promote Davison Software CMMS and PredictMate. Davison Software has accommodated our needs and provides our initial data and custom reports in a CMMS specific to our clients."

Kevin Brown, Columbia Machine, Inc.
Vancouver, Washington

"…superb… beyond expectations."
Colin Humphries, Firth Ind., New Zealand

Excellent CMMS and predictive system.
Roberto Martinez, SYCSA, Pachuca, MX

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About the Developer

Paul Davison has supported and developed maintenance management systems since 1986 after experience as a plant manager. He has developed CMMS, water treatment process control applications, and corporate programming.

Davison Software Programs run under Windows 2000, 2003, XP, or Vista. The Multi-user program runs on Linux, Windows NT/2000/2003 or NetWare file servers with Advantage Database Server (ADS) by Extended Systems. ADS uses a Client/Server approach with little administration.