



Pharmaceutical Maintenance Management



Take control of your Pharmaceutical Plant with Proteus CMMS

We've noticed a major problem for many pharmaceutical companies, establishing a reliable maintenance routine. Even though most pharmaceutical companies are equipped with state-of-the-art machinery and tools they still experience difficulties in performing their maintenance tasks properly. Using hybrid systems consisting of spreadsheets, paper files or even outdated computerized maintenance management systems.

Proteus MMX is a complete full-featured, integrated, Computerized Maintenance Management solution (CMMS). It gather, store and analyze condition-monitoring data to help maintenance managers create a predictive maintenance plan.

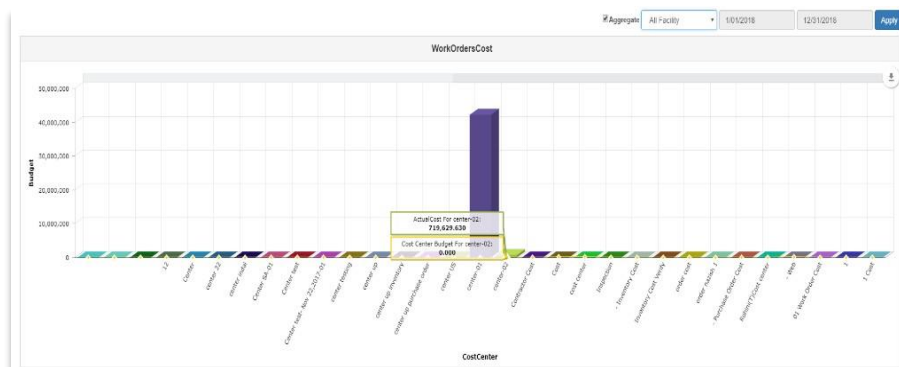


CMMS solutions to eliminate pharmaceutical plant challenges

In general the need for improvement of some business elements is the main driver for a CMMS

- A risk-based approach to maintenance is not used
- Maintenance plans are not updated as part of new equipment introduction
- Maintenance staff and contractors are not trained properly
- Maintenance of utilities and supplies falls between department cracks
- Maintenance activities are undocumented
- Equipment documentation is not readily accessible

Using real-time Monitoring Key Performance Indicators (KPI's) and Artificial Intelligent (AI) Reporting Chatbot like "Ask Steve" can allow executives to gain better insight on how the facility maintains its assets.



Benefits of a CMMS



Based on our experience with pharmaceutical plants clear benefits can be seen after implementing Proteus CMMS, more than half our customers reported:

- Improved business intelligence with Key Performance Indicators and AI reporting
- Improvements in equipment reliability
- Improved cost controls
- Improved spare parts control
- Reduction in labor costs
- Improvements in equipment availability
- Reduction in materials costs
- Reduction in other costs

Manage Various Assets within one system

Pharmaceutical plants have multiple buildings, and varied types of equipment to maintain from conveyer belts to HVAC for staff' comfort and safety. By using a CMMS, facility managers can reduce labor and energy costs, manage inventory, optimize asset performance and longevity, and insure safety.

Next-Gen CMMS for Pharmaceutical

Proteus MMX offers all the features of a traditional solution, preventive maintenance scheduling, work orders and asset management combined with latest digital trends as Enterprise Resource Planning (ERP) and IoT system connectivity.

Calibration Management

Proteus MMX now integrates with Calibration Software by CompuCal Calibration Solutions an easy to deploy calibration management software package that reduces business running costs and ensures full compliance with industry regulations.

Compliance

Was designed for the life science and pharmaceutical industries to comply with the FDA 21 CFR11. Proteus Enterprise with Audit Trail meets all your maintenance record keeping requirements.

- Assure GMP compliance through standardized maintenance procedures
- Maintenance documentation for FDA 21 CFR11 compliance
- Ideal for pharmaceutical manufacturing, bio research and testing laboratories.

Proteus MMX Features



Asset profile management

Compile accurate information on equipment to analyze performance, meet audit requirements, schedule preventive maintenance, and reduce capital expenses. You can also group equipment under predefined classifications such as Repetitive or Job Shop.

Barcoding and data collection

Barcoding/QR coding makes it easy to label and track equipment, inventory, employees and work orders. Users can scan equipment to retrieve work order history, current work orders, add parts to work orders, bills of material, and attach pictures to communicate issues at the job source.



Regulatory compliance

Maintenance records play a large part in compliance and reporting requirements from the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA).

Tracking maintenance activities with Proteus CMMS software helps with regulatory inspections and ISO certification. In addition, track changes with audit trail module. Comprehensive performance and management reports are also available with Proteus CMMS software.

Mobile Asset tracking

One database for all asset information allows for easy retrieval, input on activities, parts usage, and maintenance. RFID can be used to ensure information is always up to date on mobile assets from lifts to grinders based on their location at the time work is to be performed.

Connected Enterprise and Integration

Systems integrations can provide additional functionality and eliminate redundant processes. Proteus Alarm Interface (PAI) provides continuous alarm monitoring via a direct interface to Building Automation Systems (BAS) such as Tridium, Honeywell, Trane, Johnson Controls, Siemens, Schneider and many more!

PAI automatically issues work orders based on alarms, events or equipment runtimes. The work orders define specific tasks and parts required to complete the job quickly and efficiently. Work orders may be sent via e-mail, printer or sent directly to a technician's mobile device, informing them of alarm status and actions.

For connected enterprise, we offer integrations with popular Enterprise Resource Planning (ERP) systems such as, SAP, Oracle, Microsoft Dynamics etc.

Budget Module

In addition to helping you track your expenses, Proteus MMX assist with managing budgets.

Contractor Management

Record maintenance activities completed by your service providers, compile equipment histories. Manage contractor quality control.

Proteus MMX Features



Key Performance Indicators (KPIs)

With real-time data dashboard, pharmaceutical facility assets can be monitored by the maintenance team to quickly identify potential problems. You can set KPI's to monitor critical issues for your organization to ensure you are compliant with regulatory requirements. KPIs are also available for performance monitoring and management information.

Mobile

Record and track equipment with mobile and barcoding/QR technology for accurate, efficient, and effective deployment. Use Proteus MMX mobile to create new, receive and close work orders on your iOS, Windows 10, or Android® based phone/tablet device.

Microsoft Windows Mobile is a registered trademark of Microsoft Corporation. iOS is a registered trademark of Apple, Inc. Android is a trademark of Google Inc.

Warranty management

Plan ahead, receive notification on warranty expiration dates coming due.

Inspection

Document and protect inspection procedures on each piece of equipment and initiate inspections based on time, equipment performance, or previous work ensuring equipment such as Elevated Bridges to meet the safest condition possible.



Security and Risk management

Pharmaceutical companies face a special level of responsibility, to protect themselves and their consumers that use their prescription drugs. Avoiding any liability claims, lawsuits and comply with regulatory requirements.

Proteus MMX allows for;

- Gathering of maintenance histories
- Scheduling and performing preventive maintenance tasks
- Managing and monitoring Assets and inventory
- Performing Inspections
- Implementing user levels of access and rights in Proteus MMX
- Better risk management
- User-specific accounts
- Track all record changes, altered fields, value changes, date and time of the change, and whether the change is a data insertion, update, or deletion.



The increased efficiency and effectiveness of maintenance operations, as well as the reduction in repair, labor, and energy costs make adding Proteus CMMS to your pharmaceutical facility maintenance team an easy decision.

For over 30 years, Eagle Technology, Inc. has been developing Enterprise Asset Management (EAM) and Computerized Maintenance Management Systems (CMMS) that are flexible and meet customer needs.

Our team of professionals are available to you, providing on-going support, training and consultation services, making sure you get the most out of your investment. We are available to teach best practices, 5-S (Sort, Set In Order, Shine, Standardize and Sustain), and we offer project management and turnkey implementation.



Due to customer confidentiality agreements not all customers are displayed, for more information please contact us.



Contact Us

Not sure if Proteus MMX from Eagle is for you? One of our Pharmaceutical maintenance experts will gladly advise you on the best solution for your facility's unique needs and compliance requirements, as well as assist in the plan to go from firefighting to preventive and predictive maintenance.

Case Study

Email Us

Website

Free Demo

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