

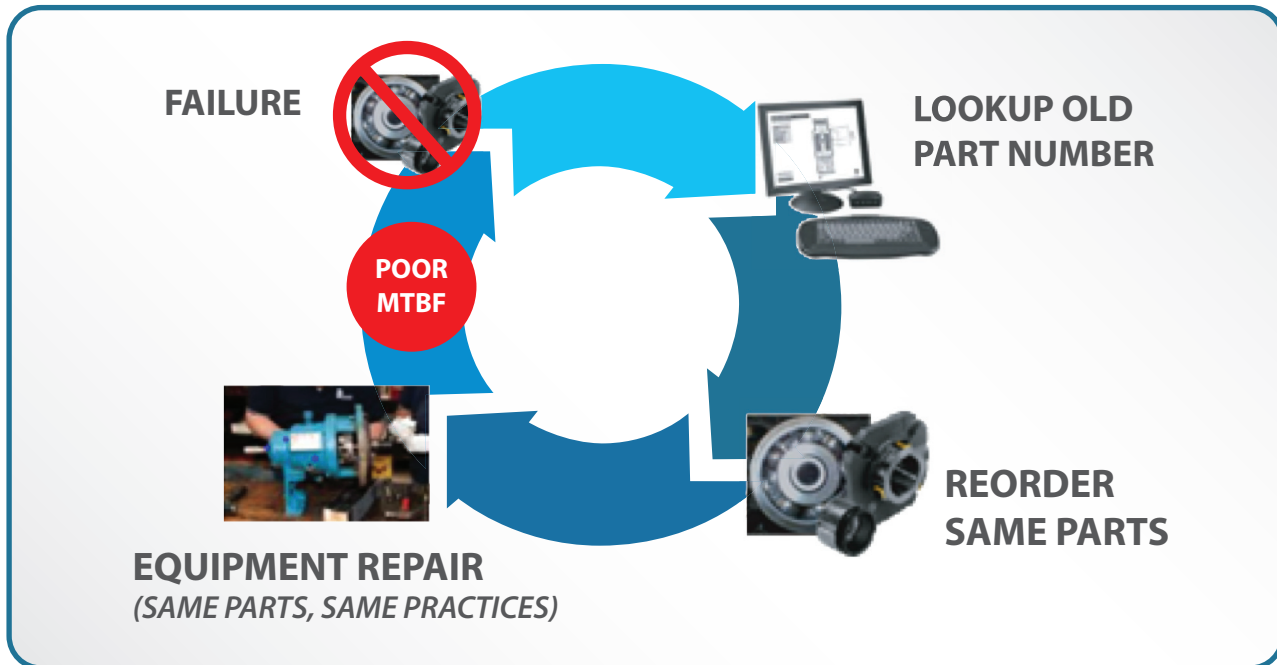


Reliability Management Services

The solution for increased Mean-Time-Between-Failure (MTBF)

This revolutionary cloud-based program will enable your plant to increase MTBF and reduce maintenance costs. Large best-in-class plants have achieved MTBFs of over 100 months utilizing dedicated reliability teams. With RMS, small and medium sized plants can achieve similar results and save money. Large plants can also benefit from on-demand diagnostics and save on data entry costs with the patent-pending iPhone App.

Many plants are stuck in the "Cycle of Failure"



Reduced staffing and the pressure to maintain production results in repairs utilizing the same parts and repair practices as before without determining the root cause of the failure. The asset is doomed for failure again. RMS will break this cycle by diagnosing the cause and suggesting changes.

Typical MTBFs	
ANSI Pump Average	30 months*
API Pump Average	66 months*
Best-of-Class Petrochemical Plant	121 months*
Typical 100 pump Plant	18-24 months

*Bloch, H.P. (2008). Pump statistics should shape strategies. Maintenance Technology.

RMS Features

RMS Benefits

All data in the "Cloud"	<ul style="list-style-type: none"> • All Pertinent Asset Data in One Place • Accessible 24 x 7 from Anywhere
Troubleshooting	<ul style="list-style-type: none"> • Select a symptom and RMS provides a list of suggested corrective actions
Diagnostics and Repair Tracking	<ul style="list-style-type: none"> • Break the "Cycle of Failure" • History of Failure Modes • Rec for Repairs and Upgrades • Repair Info and Work Performed Captured
Remote Monitoring	<ul style="list-style-type: none"> • Monitoring Alerts Displayed • A Complete time-stamped, chronology of alerts on the position • Trouble Shoot Checklists provide Real Time Corrective Actions
Best Practices	<ul style="list-style-type: none"> • Maintenance Procedures Developed by Best-in-Class Plants
History	<ul style="list-style-type: none"> • A Complete time-stamped chronology of activity by user on the asset
Attachments	<ul style="list-style-type: none"> • Store IOMs, Parts Diagrams, Quotes, Pictures, etc.
Notes	<ul style="list-style-type: none"> • Add pertinent details such as changes in operating conditions, upgrades, etc.
Reporting	<ul style="list-style-type: none"> • Valuable reporting features provide documentation
Training	<ul style="list-style-type: none"> • Videos explaining RMS implementation and Reliability Tools. Online training programs.

Cost Savings for a 100 pump plant with 24 month MTBF

MTBF Improvement	Net Savings* per year
6 months	\$76,470
12 months	\$152,049
18 months	\$195,237
24 months	\$241,425
96 months	\$400,380

* Net savings after cost of RMS and upgraded parts.
 Based on repair cost data from: Bloch, H.P. & Budris, A.R. (2004).
 Pump user's handbook: Life extension, Fairmont Press, Lilburn, GA