

## Biopharmaceuticals Facilities

### PdM Programs

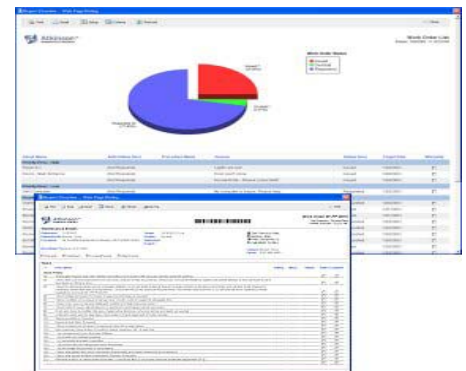
Redline PdM has developed a Predictive Maintenance Program specifically designed for Biopharmaceuticals Facilities. This program ensures reliability by identifying problems in machinery before catastrophic failures; allowing you to plan your maintenance on your schedule and not the machines failure schedule.

Redline PdM is the only PdM company to offer a Web Based Predictive Maintenance Management Solution

- Predictive Connection

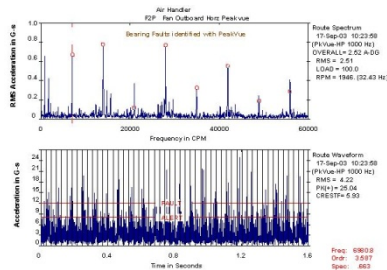


You can access your secure database and look up any asset to see if a problem has been identified. The system is a two way communication between Redline PdM and you. You can update notes on any problem, any time.



This program utilizes the following key technologies, as appropriate:

- Vibration Analysis

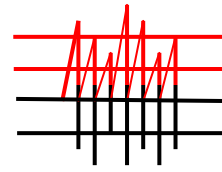


- Infrared Thermography



- Oil Analysis





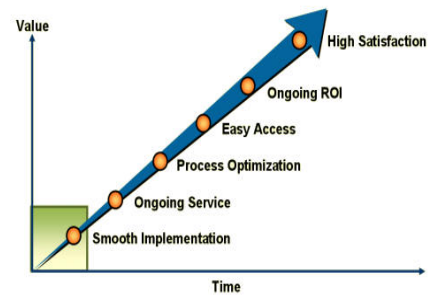
Typical machines to be included in the “Biopharmaceuticals Facilities” program are:

- Chillers
- Cooling tower fans
- Chilled water pumps
- Condensate water pumps
- Hot water pumps
- Fermenter Agitators
- CIP and WFI Pumps
- Supply fans
- Return fans
- Exhaust fans
- and more...



The value of a **Redlines PdM Program** can be seen with:

- **Increased uptime:** Identify problems while they are still “small” problems, allowing you to plan your repairs on your schedule.
- **Reduced collateral damage:** i.e.: If you can replace a bearing when it’s in the early stage of failure, you can avoid replacing the shaft, bearing fits and other components that are typically damaged in such a failure.
- **Planned manpower:** Reducing overtime for failed machinery.
- **FDA Compliance:** this program complies with current GMP maintenance requirements.



Redline PdM also Provides:

- Balancing
- Alignment
- Troubleshooting
- Acceptance Testing
- Consulting

Schedule a Walk-Thru today, there is no charge and you could start saving money immediately.

Call us at: **1-866-773-3546** E-Mail us at: **[FreeWalkThru@RedlinePDM.com](mailto:FreeWalkThru@RedlinePDM.com)**