

MachineCloud

AI filtered process data is encrypted and sent to our team of remote analysts, who work in shifts 24/7 to review and verify impending failures. Once an anomaly is detected, our human vibration analysis team will review the impending issue and write a simple report to give you the next steps to take to solve the specific issue. At the end of each month your reliability account manager will call you to review both new and outstanding reports. This monthly summary review helps you avoid expensive failures and helps us further improve our algorithms and resolution accuracy. We have combined predictive maintenance software, top-notch customer service teams and on-site analysis services to make our offerings economical and scalable for any size company.

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Brochure

Leveraging the latest prescriptive maintenance and ML/AI technology to inform you what to do next.

Machine Cloud

MACHINE LEARNING SOFTWARE SOLUTION



GET IN TOUCH

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Phone : +1 (832) 581-9908



Machine Cloud

Machine Learning and human reliability expertise made one.

How it works:

We take in data from our sensors, analyze for alerts and anomalies, and then our algorithm--based on hundreds of thousands of similar machine types in our data base-- diagnoses what is wrong with the machine, how critical it is, how long you have to act on it, and we deliver that message to you in a report put together by one of our level 4 vibration analysts. Meet regularly with your reliability account manager to review impending machine failures, plan and prioritize your needed actions, and enable your success with confidence.

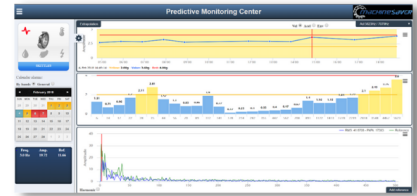
We don't believe in simply monitoring the current condition of machines and giving you squiggly lines anymore. We believe in **solving your problems** by providing *prescriptive actions* and *proactive maintenance diagnoses*.



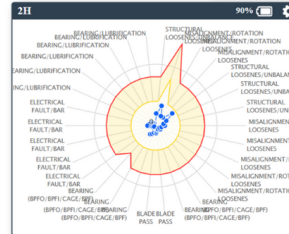
Connect your assets.
Get automated
reports on how to
keep them
performing each
month.

The Customer Journey:

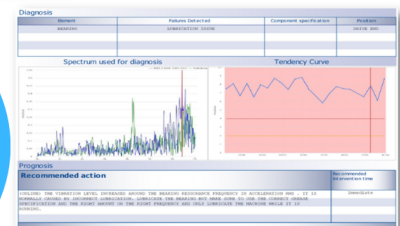
Register
assets and
evaluate
your data.



Gain automatic
insights into
causes of alarms
and impending
failures.



Meet with your
reliability account
manager once a
month to review
reports. Prioritize
your asset planning
and act with
confidence.



Specifications

Over 100,000+ Connected Assets and Counting

With our unique ML/AI process, performed by both an algorithm and a team of asset management inspectors and experts spread throughout more than fifty cities around the world, Machine Cloud has no match in the market. The best industrial equipment monitoring specialists come together to meet every client's needs at Machine Cloud's state-of-the-art data and image analysis center. Our teams use measuring instruments and software specially designed for your industry to predict and prevent any catastrophic system failures. Regardless of your location, we can monitor your plant with the same quality, speed, and low costs.

Delivering a Comprehensive Analysis

We don't offer you a simple, one-dimensional diagnosis report of your machine. That would be like your physician recommending a serious operation based only on a blood test or X-ray. Based on our asset condition management technique integration, we deliver a *comprehensive analysis* of your machine's health. Using these results, we monitor the asset condition management system health as well as the individual asset health in a cross-technique approach, much like your physician needs multiple tests completed before understanding the complete picture of health in order to make a proper diagnosis.

We can provide both part-time and full-time services to your plant, depending upon the number of assets and the techniques necessary for each component. With either service you choose, you will always have an expert around to help you leverage your company's strategic results.

Intelligence in Machinery Health

Included beyond vibration, we can also integrate additional optional offerings:

- Lubricant Analysis
- Thermography
- Acoustic Emission Analysis
- Motor Circuit
- Visual Vibration Analysis (Manual visits to the site by level 4 analysts)

Equipment Registration Form (ERF)

This form should be filled out for each machine that will be monitored through our MachineCloud service. With this information, our level 4 vibration analysts can provide excellent customer service and component level suggestions to keep your machines running longer with fewer failures and less unplanned downtime.

EQUIPMENT REGISTRATION FORM

Area	Sector	Machine																																										
<div style="display: flex; justify-content: space-between;"> <div style="width:45%;"> <p>Component</p> <div style="border: 1px solid black; height: 100px; margin-bottom: 10px;"></div> <p>Drive Component</p> <div style="display: flex; justify-content: space-between;"> <div style="width:45%;"> <p><input type="checkbox"/> AC Motor</p> <p><input type="checkbox"/> DC Motor</p> <p><input type="checkbox"/> Generator</p> <p><input type="checkbox"/> Servo or Special Motor</p> </div> <div style="width:45%;"> <p><input type="checkbox"/> Coupling</p> <p><input type="checkbox"/> Hydraulic</p> <p><input type="checkbox"/> Other types not contemplated in this ERF:</p> </div> </div> <p>Description <input type="text"/> TAG <input type="text"/></p> <p>Manufacturer <input type="text"/> Frame <input type="text"/></p> <p>Power <input type="text"/> CV <input type="text"/> Kw <input type="text"/> Speed <input type="text"/> RPM</p> <p>Voltage (V) <input type="text"/> Current (Amps) <input type="text"/> Frequency (Hz) <input type="text"/></p> <p>Insulation <input type="text"/> Protection level <input type="text"/> Efficiency <input type="text"/></p> <p>Service Factor <input type="text"/> Power Factor <input type="text"/> Category <input type="text"/></p> <p>FS <input type="text"/> Cos ϕ <input type="text"/> CAT <input type="text"/></p> <p>Bearings</p> <p><input type="checkbox"/> Pillow Block/Sleeve <input type="checkbox"/> Bearing DE <input type="text"/></p> <p><input type="checkbox"/> Bearing NDE <input type="text"/></p> <p>Lubrication</p> <p>Bearing DE <input type="checkbox"/> Grease <input type="checkbox"/> Manual System <input type="checkbox"/> Automatic System</p> <p><input type="checkbox"/> Oil <input type="checkbox"/> Gravity Flow <input type="checkbox"/> Forced Flow</p> <p>Bearing NDE <input type="checkbox"/> Grease <input type="checkbox"/> Manual System <input type="checkbox"/> Automatic System</p> <p><input type="checkbox"/> Oil <input type="checkbox"/> Gravity Flow <input type="checkbox"/> Forced Flow</p> <p>* Electric Start Drive</p> <p><input type="checkbox"/> Contactor <input type="text"/> Type <input type="text"/></p> <p><input type="checkbox"/> Soft - Starter</p> <p><input type="checkbox"/> Inverter</p> <p><input type="checkbox"/> Number of IGBT Modules</p> <p><input type="checkbox"/> Number of leads per phase</p> <p>Photo of inverter output connections <input type="text"/></p> <p>* Motor Mounting</p> <p><input type="checkbox"/> Flanged Driven Side <input type="checkbox"/> Flanged to Driven Element</p> <p><input type="checkbox"/> Mounted on Metallic Base <input type="checkbox"/> Mounted Directly to the Floor</p> <p><input type="checkbox"/> Mounted on Cushions <input type="checkbox"/> Mounted on Springs</p> </div> <div style="width:45%;"> <p>Transmission</p> <p><input type="checkbox"/> Rigid Screw Fixing <input type="checkbox"/> Flexible / Elastic</p> <p><input type="checkbox"/> Grided Gear <input type="checkbox"/> Arched teeth with sleeve</p> <p><input type="checkbox"/> Pin Elastic <input type="checkbox"/> Claw Elastic</p> <p><input type="checkbox"/> Angle Drive <input type="checkbox"/> Straight Drive</p> <p><input type="checkbox"/> Axial Joint <input type="checkbox"/> Axial Spacer</p> <p>Pulleys / Belts</p> <p><input type="checkbox"/> ϕ Drive (d1) <input type="text"/> cm</p> <p><input type="checkbox"/> ϕ Driven (d2) <input type="text"/> cm</p> <p><input type="checkbox"/> Ratio <input type="text"/></p> <p><input type="checkbox"/> Between Axes (L) <input type="text"/> cm</p> <p><input type="checkbox"/> Number of Belts <input type="text"/> un.</p> <p>Crown / Chain</p> <p><input type="checkbox"/> Drive Gear Teeth (Z1) <input type="text"/> un.</p> <p><input type="checkbox"/> Driven Gear Teeth (Z2) <input type="text"/> un.</p> <p><input type="checkbox"/> Ratio <input type="text"/></p> <p><input type="checkbox"/> Between Axes (L) <input type="text"/> cm</p> <p>Gearbox</p> <p>Description <input type="text"/> TAG <input type="text"/></p> <p>Manufacturer <input type="text"/> Model <input type="text"/></p> <p>Serial Number <input type="text"/> Ratio <input type="text"/> Number of Shafts <input type="text"/></p> <p><input type="checkbox"/> Parallel Gearbox <input type="checkbox"/> Helicoidal Gearbox</p> <p><input type="checkbox"/> Cycloidal Gearbox <input type="checkbox"/> Planetary Gearbox</p> <p><input type="checkbox"/> Endless Axis <input type="checkbox"/> Other <input type="text"/></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>RPM</th> <th>Bear. DE</th> <th>Bear. NDE</th> <th>Pinion</th> <th>Ring Gear</th> </tr> </thead> <tbody> <tr> <td>Input</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>1st Inter. Shaft</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>2nd Inter. Shaft</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>3rd Inter. Shaft</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>4th Inter. 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