Vibration Consultancy Services Agreement (VCSA)

Proactive Care for Critical Rotating Machines
Plants need to get the most out of their production assets. Excessive vibration in machinery like turbines, compressors, motors and rotating fans can result in equipment failure, and plant shut down, if not identified in time.

The Vibration Consultancy Services Agreement (VCSA) from Forbes Marshall is a suite of proactive asset care services tailored to suit individual plant needs and designed to help harness the full potential of the installed condition monitoring systems. Our services aim at reducing plant maintenance costs, operation support costs, and downtime process costs, through the application of technology in a safe and cost-effective manner.

**Benefits**
- Reduce downtime with early detection
- Maintenance knowledge improvement
- Reliable and efficient maintenance
- Reduce total maintenance costs
- Optimise production schedule

**Our Expertise**
- Survey of rotating machines
- Possible suggestions for vibration monitoring requirements
- Vibration consultancy support for monthly/quarterly reports for critical and secondary critical machines
- Right proposal to optimise on-line monitoring costs
- Complete turnkey execution from engineering and documentation.
- Vibration analysis and diagnosis reporting for the right time shutdown to save cost
- Customised condition monitoring and reporting plan for your plant

**Industries We Cater To**
- Refineries
- Power
- Cement
- Steel
- Shipping
- Fertiliser
- Mining
- Aviation
- Wind
Real Solutions with Real Profits
The Forbes Marshall VCSA is developed with a complete know-how of on-line vibration monitoring systems and machine details. Through this service, we provide analysis and reports for every critical rotating machine in the plant, through 24x7 remote monitoring and/or periodic visits to the plant.

Solutions are customised according to plant requirements, and designed to deliver

Proactive problem management
Focus efforts where needed

Actionable information
Ensuring the right people have the right information in time to make the right decisions

Speed of response and resolution
Value realised

Continuous improvement
Solving new problems, achieving new objectives

Personalised Solutions for Individual Needs
Implementing predictive maintenance leads to a substantial increase in productivity (upto 35%), on the one hand preventing unpredicted shutdowns, while on the other, anticipating corrective operations so that they can be carried out under the best conditions.

We secure the performance of your machine with condition monitoring. Knowledge and prediction have become an integral part of machine performance. The implementation of a rigorous condition monitoring programme is strategic to secure both, the asset and its productivity.
<table>
<thead>
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<th>Numbers That Speak for Themselves</th>
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<td>75,000+ Monitoring points installed in India</td>
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<td>27+ Sales and services points - presence across the country</td>
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<td>25+ Country-wide machinery diagnostic engineers</td>
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<td>15+ Years of condition monitoring experience</td>
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