

Vibration Consultancy Services Agreement (VCSA)

Proactive Care for Critical Rotating Machines

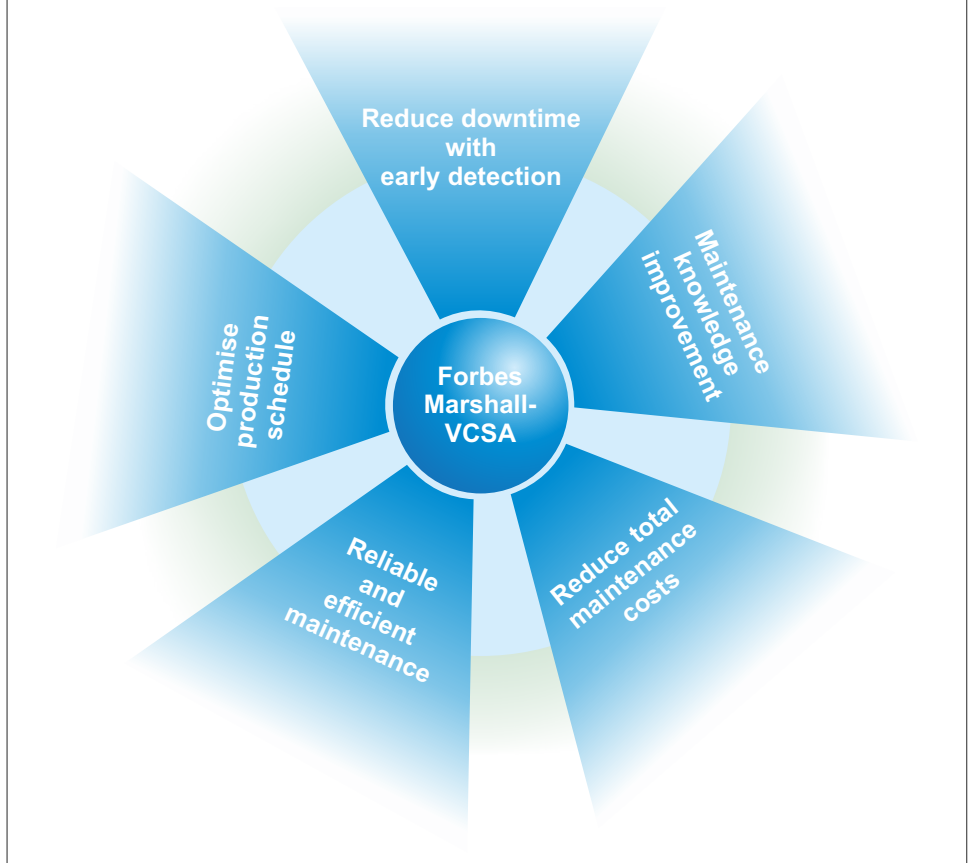


Vibration Consultancy Services Agreement (VCSA)

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



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

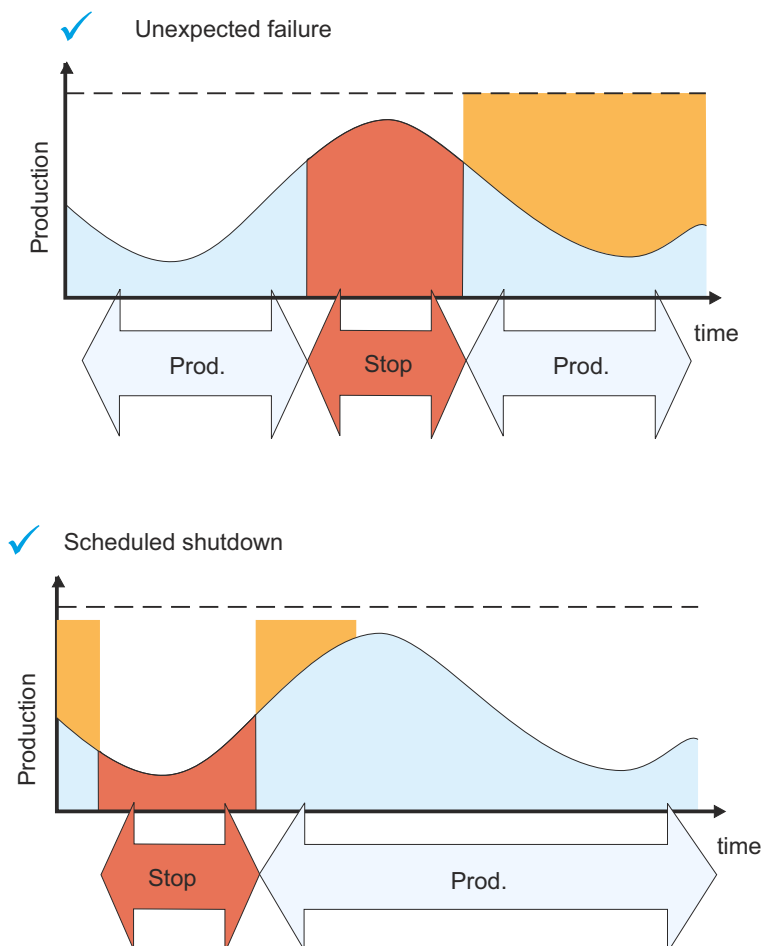
Continuous improvement

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.



Numbers That Speak for Themselves



Report

4. Pump No. 114-P-3074-B : Bearing 2 - Motor DE (H) Time & FFT Spectrum

Time		PSD x FFTV	
C1	48.37Hz	C1	48.37Hz
C2	96.74Hz	C2	96.74Hz
C3	145.11Hz	C3	145.11Hz
C4	248.12Hz	C4	248.12Hz
C5	396.87Hz	C5	396.87Hz
C6	793.74Hz	C6	793.74Hz
C7	1587.48Hz	C7	1587.48Hz
C8	3174.96Hz	C8	3174.96Hz
C9	6349.92Hz	C9	6349.92Hz
C10	12699.84Hz	C10	12699.84Hz

75,000+

Monitoring points installed in India

27+

Sales and services points - presence across the country

25+

Country-wide machinery diagnostic engineers

15+

Years of condition monitoring experience



Forbes Marshall
 Krohne Marshall
 Forbes Marshall Arca
 Codel International
 Forbes Solar
 Forbes Vyncke
 Forbes Marshall Steam Systems

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