

## Training in Vibration Analysis

We are an ISO 9001:2008, OHSAS 18001:2007 & ISO/IEC 17025 : 2005 Certified Company providing quality & cost effective solutions in the field of Predictive Maintenance through Vibration Analysis, Diagnostic Studies & in-situ Dynamic Balancing to more than 100 industries in India & abroad since year 2005.

**Our in-house as well as organized open house Vibration Analysis training programs are considered one of the best among our Customers.** Our faculty team comprises of renowned technical experts, specialized Plant Engineers, reputed Professors from Academic and Research Institutes and have served the industry for more than 27 years and have rich hands-on practical experience in solving vibration related problems from CNC to Large Turbines & Compressors.

Our In-Plant Training programme are modelled with real time Case Studies & Exercises to suit each industry.

All our Seminars / Training Programs focus on problem diagnostics and trouble shooting with priority for Practical Implementation. The subjects covered are tailor made to match the customer's requirements. Updating the technical strength, familiarizing the latest technologies and providing practical insight to real life case studies from complex industries are the basic target of these seminars.

Our team have conducted more than 80 – 90 Training programs in India and Abroad and are familiar with most of the rotating equipments in industries like Refinery, Cement, Sugar, Petrochemical, Chemical, Pharmaceutical, Oil & Gas Production Platforms, Rigs and Gas station, etc. We have recently successfully implemented such Training and Implementation program in a petrochemical Complex abroad and the savings achieved **were more than US \$ 100,000/- within short period.**

All our Training programs are competency-based.

That means:

The outcome is assured

It focuses on participant's to perform the defined objectives

The aim of our Training program is to reduce maintenance expenditure, increase Plant Availability by up-grading and establishing in-house Predictive Maintenance expertise and to move towards Reliability Centred Maintenance (RCM).



### Training content

60% Theory, 40% Practical

### Number of participants

Limited to 20

### Duration

We have various options to suit specific requirements (From one day session to Two Weeks Full Fledged session).



At the end of the training Programme, we assure that the participants will be able to Measure and record data using vibration analyzer, Classify the machinery as per **ISO 10816 Standard** to Good, Fair and Rough health condition, Carry out in-situ Dynamic Balancing and Analyse the vibration data to pinpoint problems related to *Unbalance, Misalignment, Mechanical looseness, Differentiate between Bearing Defects like Axial Play, Adaptor Sleeve looseness, Axial Thrust, Increased clearance, Ovality in housing with its bearing, Gear meshing, Belt inaccuracies, Differentiate between bent shaft and misalignment, Identify Resonance problems, Electrical Defects like Air gap variation, Electrical unbalance, Magnetic center deviation, unbalanced phase, piston slap excitation, valve inaccuracies, piston ring wear,, etc.*

We are **GOLD Sponsor Representative in India & Corporate member of Vibration Institute, USA**, an organisation for scientists, engineers and other professionals representing a broad cross-section of industries about measuring and analyzing vibration.

On their behalf, we regularly conduct Category I, II & III Course and Examination in Chennai, India. Candidates from India & Abroad appear the Course & Examination and successful candidates are qualified as ISO certified Vibration Analyst awarded by Vibration Institute, USA; an indication of our excellence in the field of Vibration Analysis Training. **The cost towards the training and implementation is negligible when compared to the benefits achieved.**

**For Further Details contact:**



ISO CATEGORY II COURSE



ISO CATEGORY II EXAMINATION

## VIBROTECH TRAINERS & CONSULTANTS PVT LTD.,

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### Official Representative in India:

Vibration Institute - USA (for ISO CAT I, II & III Vibration Analyst Course & Certification)

VMI International AB - SWEDEN (Instruments measuring Rotating & Reciprocating Machine Vibration)

Vibraquipa S.L.U. - SPAIN (Instruments measuring Ground, Building & Structure Vibration)