

VELOSI TRAINING

**MOBIUS VIBRATION  
ANALYSIS & ASSET RELIABILITY  
PRACTITIONER (ARP) TRAINING**

**PAID  
TRAINING**

LIMITED SEATS



ENGINEERING FOR  
A SAFER WORLD

## About us

With over 36 years of worldwide experience, we help our clients by providing a One-Stop gateway for complete Asset Integrity Management Vendor Inspection, Third Party Inspection, Certification, Testing, and HSE Consultancy, Engineering Services & Manpower Recruitment Services.

When work is hazardous and consequences are high, ongoing learning and development are inevitable for the safety of the workers and the effective management of the operation.

Our organization's training strategy and curriculum can hugely impact its capability to meet the industry standards & regulations. Velosi acquired Training center accredited by Mobius Institute for delivering ISO 18436-1 Vibration Analysis and Asset Reliability Practitioner Training.

**36+**  
YEARS OF  
EXPERIENCE

**38+**  
COUNTRIES  
WORLDWIDE

**300+**  
SATISFIED  
CLIENTS

**600+**  
PROJECTS  
COMPLETED

Our trainers are internationally certified and have more than 15 years of practical experience in Condition Monitoring, RCA and Reciprocating Analysis, Asset Reliability Management & Training.

We offer professional training with a supportive team through our interactive training methods & techniques to ensure to meet learning objectives.



## Velosi is offering training for Mobius CAT II & CAT III Vibration Analysis and Asset Reliability CAT II.

Mobius Institute Board of Certification is ISO/IEC 17024 and ISO 18436-1 accredited in providing Vibration Analysis and Asset Reliability Practitioner Training Courses.

ISO 18436 accredited training courses will enable the candidates to design, establish and manage routine condition monitoring programs, evaluate alarm sets, writing work procedures and specify vibration acceptance testing procedures.

Mobius courses are unique in the world of vibration analysis and asset integrity training and they became well known because of 3D animations and software simulations training methods and techniques.



## Who should attend?

Mobius Vibration Analysis & Asset Reliability Practitioner Training courses are suitable for individuals who are involved in Vibration Analysis, Inspection job, Maintenance, Condition Monitoring and Asset Reliability Sector such as but not limited to:

- Mechanical Engineer
- Maintenance Engineer
- Reliability Engineer and Leads
- Condition Monitoring Engineers
- Plant Managers
- Operations and Maintenance Leads
- Operation Managers



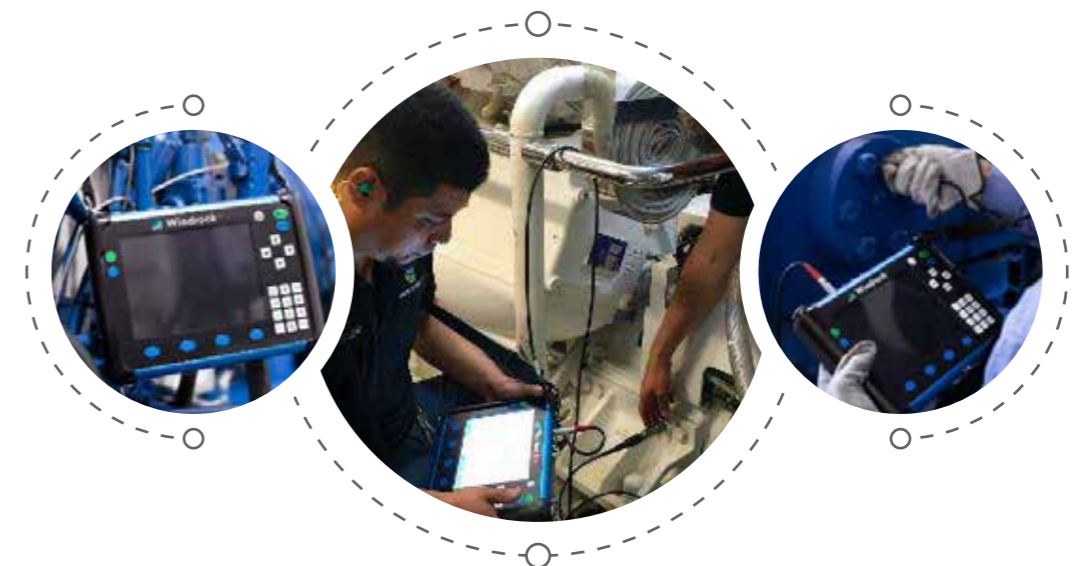
## MOBIUS CAT-II VIBRATION ANALYSIS TRAINING

The Mobius Category II Vibration Analysis "Intermediate" course is intended for personnel who have at least twelve (12) months of vibration analysis experience and a basic understanding of vibration theory and terminology.

The course provides an in-depth study of machinery faults and their associated spectrum, time waveform and phase characteristics. In order to get the Category II certification, it requires that you have acquired 18 months of experience in vibration analysis, completed the Category II course and successfully pass the Category II vibration analysis examination. However, Category I is not a prerequisite to becoming certified as a Category II vibration analyst.

### Course Details – Category II Training

<b>Course Schedule</b>	22nd July 2020 to 25th July 2020 from 09.00 AM - 5.00 PM.
<b>Course Duration</b>	The Category-II course spans 4 days and 1 day for exam.
<b>Mode of Training</b>	Online Virtual Classroom training (Webex)
<b>Course Outline</b>	<ul style="list-style-type: none"> <li>• Review of maintenance practices</li> <li>• Review of condition monitoring technologies</li> <li>• Principles of vibration</li> <li>• Data acquisition</li> <li>• Signal processing</li> <li>• Vibration analysis</li> <li>• Fault analysis</li> <li>• Equipment testing and diagnostics</li> <li>• Corrective action</li> <li>• Running a successful condition monitoring program</li> <li>• Acceptance testing</li> <li>• Review of ISO standards</li> </ul>
<b>Course Objectives</b>	The Category-II course is intended for people who have mastered the basics and want to be able to take data and decide how the data collector should be set up, analyze a range of fault conditions, and understand balancing and alignment.
<b>Learning Zone Access</b>	Registered students will be given access to the online version of the course via the Mobius Institute Learning Zone before the class that will allow the learner to review courses for six months after course completion to assist them with converting the course information into practice.
<b>Certification Prerequisite:</b>	18 months of actual experience after completion of the training plus passing the exam, the learners can get full certification.
<b>Fees &amp; Venue</b>	Fees structure and training venue will be provided upon request.



# MOBIUS CAT-III VIBRATION ANALYSIS TRAINING

The Mobius Category III Vibration Analysis "Advanced" course is intended for personnel who have at least two years of vibration analysis experience and a solid understanding of vibration theory and terminology. This course is designed for the senior vibration analyst & program manager who must be able to diagnose the widest range of vibration-related fault conditions, perform balancing and alignment, understand, diagnose and correct resonance faults.

If you wish to truly advance in vibration analysis and be able to run a successful condition monitoring team, then you are ready for this course. The course exceeds the ISO 18436-2 Category III standard and meets the ASNT Level III Recommended Practice.



## Course Details – Category III Training

<b>Course Schedule</b>	20th Aug 2020 to 23rd Aug 2020 from 09.00 AM - 5.00 PM.
<b>Course Duration</b>	The Category III spans 4 days and 1 day for exam.
<b>Mode of Training</b>	Class room training will be provided with complete SOP of WHO.
<b>Course Outline</b>	<ul style="list-style-type: none"> <li>• Review of condition monitoring technologies</li> <li>• Review of ISO standards</li> <li>• Signal processing and data acquisition</li> <li>• Time waveform analysis</li> <li>• Phase analysis</li> <li>• Dynamics (natural frequencies and resonance)</li> <li>• Testing for natural frequencies</li> <li>• Operating Deflection Shape (ODS) analysis</li> <li>• Modal analysis and intro to FEA</li> <li>• Correcting resonances</li> <li>• Rolling element bearing fault detection</li> <li>• Journal bearing fault detection</li> <li>• Electric motor testing</li> <li>• Pumps, fans and compressors</li> <li>• Gearbox fault detection</li> <li>• Corrective action</li> <li>• Running a successful condition monitoring program</li> <li>• Acceptance testing</li> <li>• Review of ISO standards</li> </ul>
<b>Course Objectives</b>	The Category-III course is intended for people who are confident with spectrum analysis and who wish to push on and learn more about signal processing, time waveform and phase analysis, cross-channel testing, machine dynamics, and fault correction.
<b>Learning Zone Access</b>	Registered students will be given access to the online version of the course via the Mobius Institute Learning Zone before the class that will allow the learner to review courses for six months after course completion to assist them with converting the course information into practice.
<b>Certification Prerequisite:</b>	36 months of actual experience after completion of the training plus passing the exam, the learners can get fully certification.
<b>Fees &amp; Venue</b>	Fees structure and training venue will be provided upon request.





## MOBIUS ASSET RELIABILITY PRACTITIONER (ARP) CAT-II TRAINING

The Asset Reliability Practitioner [ARP] Category II “RELIABILITY ENGINEER CORE EDUCATION” course is intended for industrial reliability engineer in-charge with helping the organization improve reliability and performance of asset and for anyone in the organization who desires to have detailed knowledge of the asset reliability and performance improvement process.

The role of reliability engineer is critically important and challenging role. In most organizations, there are almost infinite opportunities for improvement but understanding what to change and how to change it quite challenging.

Whether your organization is in manufacturing industry or a commodity that provides an essential service and relies on machinery/electrical equipment and or involved with protecting the environmental aspects, this course covers the A-Z of reliability improvement that will teach you how the reliability engineer can drive the actions necessary to realize change.

### Course Details – ARP Category II Training

<b>Course Schedule</b>	24th Aug 2020 to 25th Aug 2020 from 09.00 AM - 5.00 PM.
<b>Course Duration</b>	ARP Category II course spans 2 days and 1 day for exam.
<b>Mode of Training</b>	Online Virtual Classroom training (Webex)
<b>Course Outline</b>	<ul style="list-style-type: none"> <li>• Strategy and Implementation</li> <li>• People Management</li> <li>• Defect Elimination</li> <li>• Reliability Engineering</li> <li>• Asset Strategy Development</li> <li>• Work and Spares Management</li> <li>• Precision Skills (Precision and Proactive Maintenance)</li> <li>• Condition Monitoring</li> <li>• Continuous Improvement</li> </ul>
<b>Course Objectives</b>	The course covers the A-Z of reliability improvement. The learner will gain knowledge in all asset reliability maintenance areas that will enable them to be an expert CBM Analyst or Lubrication Engineer. In this course, you will know how to justify and take all necessary steps to manage a successful reliability & performance improvement initiative and avoid the obstacles that have derailed so many programs in the past.
<b>Learning Zone Access</b>	Registered students will be given access to the online version of the course via the Mobius Institute Learning Zone before the class that will allow the learner to review courses for six months after course completion to assist them with converting the course information into practice.
<b>Certification Prerequisite:</b>	36 months of actual experience after completion of the training plus passing the exam, the learners can get fully certification.
<b>Fees &amp; Venue</b>	Fees structure and training venue will be provided upon request.



**For more training information:**

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