

# Industrial Asset Health Management



## Course Introduction:

This course gives an introduction to the Plant Condition Monitoring techniques and procedures. Focusing on Non-Destructive Testing (NDT) and Vibration Analysis (VA), AHM course gives basic understanding of the common practices involved in machine health management. AHM course is a combination of theoretical condition monitoring strategies backed up by experimental support. It discusses in detail about the common maintenance issues in process industries, failure mechanisms and modes, along with the fault-specific corrective technique. It also provides clear understanding of common NDT techniques used in fault detection e.g. Dye Penetrant Testing, Eddy Current Testing, Magnetic Particle Inspection, Ultrasonic Testing, Radiography etc. In addition to this, AHM course gives basic concepts of VA techniques used in plant.

Upon completion of this course the participants would have good understanding of the Reliability concepts and common maintenance issues in a process industry. They will also get familiarized with the common NDT techniques and VA procedures implemented in plant condition monitoring. Ultimately, the participants will gain self-confidence of being versatile at their work places which will definitely contribute towards their steep career growth.

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# Training Work shop on iAHM

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| <ul style="list-style-type: none"><li>• Introduction to Plant Operations &amp; Equipment</li><li>• Major Problems in Plant Maintenance</li><li>• Introduction to Reliability Centered Maintenance</li><li>• Life Cycle Costs</li><li>• Damage Taxonomy</li><li>• Failure Mechanisms &amp; Modes</li><li>• Buckling/Creep/Corrosion</li><li>• Fatigue Crack Growth</li><li>• Maintenance Shutdowns/Regimes</li><li>• Structural Health</li><li>• Vibration Measurement/Profile</li><li>• Vibration Sources</li><li>• Vibration Analysis Techniques</li><li>• Machine Failure Mode Analysis</li><li>• Balancing/Looseness</li></ul> | <ul style="list-style-type: none"><li>• Alignment/Process Instability</li><li>• Bearing Failure Modes</li><li>• Gear Failure Modes</li><li>• Dye Penetrant Testing</li><li>• Borescope Testing</li><li>• Radiographic Testing</li><li>• Magnetic Particle Inspection</li><li>• Eddy Current Testing</li><li>• Motor Current Analysis</li><li>• Ultrasonic Inspection</li><li>• Acoustic Emission Testing</li><li>• Thermosonic Inspection</li><li>• Oil/Lube Analysis</li><li>• Infrared Thermography</li><li>• Maintenance Management &amp; Planning</li></ul> |
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## Who should attend this training Program

Engineer and technicians involve in Plant reliability and Maintenance practices and Management able to attend this awareness session for advancement in Technologies.

## ADMISSION PROCESS

Applications will be screened with regard to their suitability for each program. Kindly ensure that your complete online application form reaches the office by the deadline.

122-B Al Haram Garden Lahore  
E: sales@fanco.com.pk

## Payment

Payment is due upon receipt of the acceptance letter along with the invoice. Please ensure that the payment reaches the office BEFORE the start of the program. Space in the program may only be ensured after we receive the fee.

Account Title:	FANCO Industrial Solutions (For Local Payments) FANCO Solutions LLC (USA – For International Payments)
Account Number:	Will share on invoice

*"in addition to our contract price, 16% Punjab Sales Tax (PRA) will also be applicable as per Punjab Sale Tax on Services Act 2012."*

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