

Vibration Analysis Training & Certification Program (ISO 18436 certified courses)

Pan Gulf Industrial Systems - RITEC

PGI Systems & RITEC are affiliated with some of the foremost leaders in global engineering excellence. Our technology partners pride themselves in driving innovative technological advances in the fields of consultancy and services in their respective disciplines.

PGI Systems-RITEC Consultancy & Technical Services division, a research-based consulting, services, and training organization, provides a perspective vision on the optimum solutions to meet and exceed customers' needs. Our core business sectors include condition monitoring, vibration analysis, training & Certification, industrial management & maintenance services, as well as industrial software development.

With on-going long term contracts throughout the Middle East, our repeat customers are evidence of the success of our specialized customer-focused solutions.

Pan Gulf Industrial system represents the Vibration Institute USA with RITEC (Egypt) Collaboration in Saudi Arabia and hence we offer these courses from Vibration Institute. RITEC is the official representative of Vibration Institute for entire Middle East.

Vibration Institute USA



Vibration Institute USA is a not for profit organization which offers vibration analysis programs including education, training, certification, opportunities for exchanging technical knowledge, information, procedures, and data that are offered through meetings, publications, formal training and networking.

Why Vibration Institute?

The Vibration Institute Training Program is the standard for acknowledging the highest standards of knowledge, competence and expertise among professionals in the vibration field. Vibration Institute Training Courses which are led by leading national and international industry experts, combine theory and hands-on workshops to illustrate how to analyze various types of equipment.

Courses offered

Vibration Institute Training Courses provide unique opportunities to study vibration principles in a way that goes beyond the textbook and provides real-world applications. In addition to understanding theories and techniques our courses:

- ✓ provide procedures to add to your practical knowledge of machines;
- ✓ offer case studies to help analyze various types of equipment;
- ✓ include demonstrations and workshops that illustrate methods to solve vibration problems;
- ✓ have been developed using the body of knowledge compliant with ISO 18436-2 Vibration Condition Monitoring and Diagnostics; and
- ✓ follow ISO 18436-3 Requirements for Training Bodies and the Training Process which defines the requirements for bodies operating training programs in the non-intrusive machine condition monitoring, diagnostic and correction technologies

Corporate courses:

- Category I Introduction to Machinery Vibrations
- Category II Basic Machinery Vibration
- Category III Machinery Vibration Analysis
- Category IV Advanced Vibration Analysis
- Rotor dynamics & Balancing of Rotating Machines

Additional courses for In house training:

- Root cause Analysis of Bearing Failure
- Machine Laser Alignment
- Bearing Lubrication & Rolling Bearing Maintenance
- Balancing of Machines

Why should you attend?

You will build a solid understanding of the reliability centered maintenance approach, the condition monitoring technologies, how to diagnose a wide range of fault conditions: unbalance, eccentricity, misalignment, bent shaft, cocked bearing, looseness, rolling element bearings faults, journal bearing faults, gearbox faults, resonance, and other conditions, how to set alarm limits manually and with statistics, how to balance and align a machine, and correct a resonance condition, etc

These courses combine theory and hands-on workshops to illustrate how to analyze various types of equipment. Rather than rely upon “cook book” vibration analysis, the Vibration Institute courses use in-class workshops and case histories that prepare you to evaluate and solve vibration problems in a real-world setting.

Who should attend?

If you have been performing vibration analysis for more than six months, and feel that you have a good understanding of the fundamentals go for category I. If you are ready to step up to the Category II course, please note that 18 months' experience is required to be certified. Anyone who wants to be capable of confidently diagnosing a wide range of fault conditions, correcting certain conditions, and taking accurate measurements needs to take these courses.

In house Training program

Usually the training is conducted at PGIS facility in Al-Khobar. In case training requires at your premises then:

1. All the courses are offered as Vibration Institute courses. The course certificates are issued from Vibration Institute, the training Material are all from the Vibration Institute, and even the course transparencies are mostly from the Vibration Institute. This assures the quality of the course as conforming to the international level of training.
2. Training is conducted by a Category III & IV certified instructor from Vibration Institute USA having vast industrial experience which ensures practical knowledge of the art and science of Vibration Analysis.
3. Course Material from vibration institute USA will be provided by PGIS-RITEC for every participant.
4. Minimum of 08 candidates per course should be registered

When?

Category-I Course	Introduction to Machinery Vibration	April 2 nd to 4 th 2017
Category-I Workshop & Exam	Introduction to Machinery Vibration	April 5 th to 6 th 2017
Category-II Course	Basic Machinery Vibration	April 8 th to 11 th 2017
		November 4 th to 7 th 2017
Category-II Workshop & Exam	Basic Machinery Vibration	April 12 th to 13 th 2017
		November 8 th to 9 th 2017
Category-III Course	Machinery Vibration Analysis	November 11 th to 14 th 2017
Category-III Workshop & Exam	Machinery Vibration Analysis	November 15 th to 16 th 2017

Note: This schedule is subject to change with number of participants registered for the course. We may also arrange courses other than these dates if enough candidates are registered.

How much?

Fee structure is as follows:

- ✓ Registration: \$100
- ✓ Course Fee: \$1400
- ✓ Workshop: \$200
- ✓ Certification Exam: \$550
- ✓ Membership: \$240

Total Fee (Cat I, II, III) **USD 2,490 (SR 9,337.50)**

Total Fee (Rotordynamics and Balancing of Rotating Machines) **USD 3,000 (SR 11,250)**

Timing?

Each Day Starts at 08:00 and Ends at 16:00

Session-I from 08:00 to 09:30

Coffee Break

Session-II from 10:00 to 11:30

Lunch Break

Session-III from 12:30 to 14:00

Coffee Break

Session-IV from 14:30 to 16:00

End of Day

Where?

Head office Pan Gulf Industrial Systems, Al-Khobar 31952

Near Khobar Askaan, Fawazia Industrial Area, Al Khobar

Contacts

Tarik Abbas [Marketing, PGIS] tarik.abbas@pgisystems.com

Syed Sohail Dawood [Consultancy, PGIS] sohail@pgisystems.com

Tel: 03- 897 2920 Ext: 157/186 Mobile: 053-894-3623

Course Instructors

For Cat-I & Cat-II courses (Cat-III certified Instructor from Vibration Institute USA)

For Cat-III and Rotordynamics & Balancing course (Cat-IV certified Instructor from Vibration Institute USA)