

Piping Systems Vibration Solutions

Five Days Session

**December 6th – 10th
2020**

COURSE OBJECTIVE

This 40-hours course objective is to provide excellent understanding and appreciation of vibration phenomena in piping systems.

This course effectively combines understanding of vibration in piping systems concepts with actual field case histories. The applicable vibration concepts and methodologies for solving the problems are presented in very simplified and practical way by these demonstrative case histories. This would ensure full understanding of the material.

The course primary target is to ensure reliable design and safe operation of O&G facilities.

Muhsen AlSannaa

The instructor is an experienced piping & pipelines consultant with over **35** years solving various field problems in his area of expertise, reviewing design projects, performing piping stress analysis. He has developed standards, research concepts & SOW. He was a leader for engineers & designers.



CONTACT INFORMATION

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WHO SHOULD ATTEND

- Operation Engineers
- Reliability Engineers
- Piping Design Engineers
- Process Engineers
- Inspection Engineers & Technician
- Experienced vibration technicians
- Engineers of Petrochemicals & O&G.

Course Outline

- ~ Fundamentals and Mode Shapes
- ~ Measurements and Criteria
- ~ System Response & Resonance
- ~ Vibration around Control Valves
- ~ Pulsating Vibration
- ~ High Frequency Vibration
- ~ Acoustic Induced Vibration

Time	Activity
07:30 - 08:00	Registration & breakfast
08:00 - 10:00	Morning session 1
10:00 – 10:15	Coffee Break
10:15 - 12:15	Morning session 2
12:15 - 13:30	Prayer & Luncheon
13:30 - 15:00	Afternoon session 1
15:00 - 15:15	Coffee Break
15:15 - 17:00	Afternoon session 2

Location

Mercure Hotel – Al-Khobar

معتمدة من المؤسسة العامة للتدريب التقني والمهني