

# Process Piping (ASME B31.3) Design, Construction & Inspection



**Five Days Session**

**December 6<sup>th</sup> - 10<sup>th</sup>, 2020**

## **COURSE OBJECTIVE**

The course objective is to provide strong understanding of the ASME B31.3 Code in a way that users become knowledgeable of the Code. The course will cover code background, design, construction & inspection. Participants are expected to practice class exercises which are major enablers to achieve the goals.

## **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.

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

## **CONTACT INFORMATION**

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## **WHO SHOULD ATTEND**

- Piping Design Engineers.
- Process Engineers
- Mechanical Engr. (Fresh graduate)
- Inspection Engineers & Technician
- Construction Engineers
- Project Engineers
- Operation Engineers
- Experienced Piping Designers
- Engineers of Petrochemicals & O&G.

## **Course Outline**

- ~ ASME Historical Background
- ~ ASME B 31.3 Scope & Structure
- ~ Piping Systems Types
- ~ Design Parameters Aspects
- ~ Pipe Wall Thickness Calculations
- ~ Components Thickness Calculations
- ~ Understanding Code Allowable
- ~ Listed Components
- ~ Piping Flexibility
- ~ Materials Covered by Code
- ~ Construction of Process Piping
- ~ Requirements for Welding
- ~ Inspection and Pressure Testing
- ~ Special Services:
  - ~ Category M Service
  - ~ High Pressure
  - ~ High Purity
  - ~ Non-Metallic Piping
- ~ Important Points & Notes

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Location  
Hotel – Dubai/UAE

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