

**TRAINING TITLE : ASME B31.3 PROCESS PIPING CODE**

**Training Duration**

5 days

**Training Venue and Dates**

REF AS001	ASME B31.3 Process Piping Code	5 Days	US\$ 4500	02-06 January 2023	Dubai UAE
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In any of the 5 star hotel. The exact venue will be informed soon.

**Training Certificate**

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees With Valid **ASME CI stamp in the certificate**

**COURSE DESCRIPTION**

This course offers intensive knowledge and experience in process piping application fields specially petroleum and petrochemical industries, considering all construction aspects such as materials, design, manufacturing, and testing. Focusing on explaining the most important code paragraphs and its applications.  
The course presents the required practical code knowledge needed in daily work activities in engineering and production companies.

**LEARNING OBJECTIVES/OUTCOMES**

At the end of this course the participant should be able to,

- Distinguish the different between various issuance of ASME codes & standards
- Comprehends the code structure and organization
- Recognize and applies code paragraphs used the daily work activities
- Locate and selected the suitable code paragraph to specific situation
- Solve different engineering issues in accordance with code provisions

**COURSE LEVEL**

**Level of course: Intermediate**

*Fundamental: covers concepts and skills in the topic being studied (Usually 0-3 years in the field)*

*Intermediate: Individuals with some engineering experience will learn to apply their existing engineering knowledge and skills to problems (Usually 3-5 years in the field)*

*Advanced: Participants analyze and critique information about complex problems or newly emerging areas, includes mastery of skills, evaluation, management and supervision. (Usually over 5-10 years in the field)*

**AUDIENCE**

*Who is the intended audience?*

Piping engineers, pipeline engineer, construction engineers, maintenance engineers, production engineers, process engineers, mechanical engineers.

**COURSE DELIVERY METHOD**

*Primary delivery method for the course;*

*Face-to-face instructor led class room training*

**PARTICIPANT EVALUATIONS**

	Points	Frequent
Exercise sheets	60	Two exercise sheets
Case study/ final exam	40	Final course integrated case study will be submitted at the end of the course and/or final exam (MCQ)

- For ASME-AUC program certificate, minimum pass score 75% per course
- The above evaluation plan may be modified as required

**COURSE OUTLINE**

<i>5 lectures, one week for face-to-face instructor led method</i>	
<ul style="list-style-type: none"> <li>• Introduction to ASME codes &amp; standards</li> <li>• CS B.3 (Introduction to ASME B31.1)</li> <li>• CS B.3 CH1 (Scope and Definitions)</li> <li>• CS B.3 CH2 1. (Design conditions and criteria)</li> <li>• CS B.3 CH2 2. (Pressure design)</li> <li>• CS B.3 CH2 3. (Piping flexibility)</li> <li>• CS B.3 CH3 (Materials)</li> <li>• CS B.3 CH4 (Piping Components standards)</li> <li>• CS B.3 CH5 (Fabrication Module)</li> <li>• CS B.3 CH6 (Testing Module)</li> <li>• Discussion and case study demonstrating engineering deliverables on recent project</li> </ul>	<p><b>Delivery Method:</b></p> <ul style="list-style-type: none"> <li>Presentation</li> <li>Discussion</li> <li>Exercise</li> <li>Case study</li> <li>Final exam</li> </ul>

**NOTE:**

**Pre & Post Tests will be conducted**

**Post tests will be with minimum pass marks**

**80% of attendance is a must to receive Certificate.**

**Case Studies, Individual & Group Exercises, Project works (making in to groups), Role plays, Group Discussions, Last Day Review & Assessments will be carried out as applicable.**