

€ TRAINING

Pressure Equipment Repair Appreciation
using ASME PCC 2





Pressure Equipment Repair Appreciation using ASME PCC 2

Introduction:

This training program imparts expertise in ASME PCC-2 repair methodologies for pressure equipment. Participants learn to assess, plan, and execute repairs effectively, ensuring compliance with industry standards. This program emphasizes the significance of proper repair techniques for maintaining equipment integrity and safety.

Program Objectives:

At the end of this program the participants will be able to:

- Understand the principles and methodologies outlined in the ASME PCC-2 standard for repairing pressure equipment.
- Gain proficiency in assessing the condition of pressure equipment and determining appropriate repair strategies.
- Learn how to plan and execute repairs in accordance with industry standards and regulatory requirements.
- Develop skills in conducting quality assurance and control measures throughout the repair process.
- Acquire knowledge of documentation and reporting practices for maintaining compliance and traceability.
- Enhance appreciation for the importance of proper repair techniques in ensuring the safety and integrity of pressure equipment.

Targeted Audience:

- Engineers and technicians involved in the maintenance and repair of pressure equipment.
- Quality assurance and quality control professionals overseeing repair activities.
- Plant managers and supervisors responsible for ensuring the safety and reliability of pressure systems.
- Inspectors and auditors involved in evaluating and certifying pressure equipment repairs.

Program Outlines:

Unit 1:

Introduction to ASME PCC-2 Standard:

- Overview of the ASME PCC-2 standard for pressure equipment repair.

- Understanding the principles and scope of the standard.
- Importance of compliance with ASME PCC-2 guidelines in repair activities.
- Key terminology and concepts related to pressure equipment repair.
- Case studies highlighting successful application of ASME PCC-2 methodologies.

Unit 2:

Assessment of Pressure Equipment Condition:

- Techniques for assessing the condition of pressure equipment.
- Inspection methods and tools used in condition assessment.
- Interpretation of inspection results and identification of defects.
- Risk assessment and prioritization of repair needs.
- Documentation requirements for condition assessment findings.

Unit 3:

Planning and Execution of Repairs:

- Developing repair plans based on assessment findings and ASME PCC-2 guidelines.
- Selection of appropriate repair techniques and materials.
- Planning and scheduling repair activities to minimize downtime.
- Implementation of repair procedures in compliance with safety and quality standards.
- Oversight of repair execution and coordination with stakeholders.

Unit 4:

Quality Assurance and Control in Repair Processes:

- Importance of quality assurance in pressure equipment repair.
- Implementing quality control measures to ensure repair integrity.
- Documentation and record-keeping for quality assurance purposes.
- Monitoring and evaluating repair activities for compliance with standards.
- Continuous improvement strategies for enhancing repair processes.

Unit 5:

Documentation and Reporting:

- Documentation requirements throughout the repair process.
- Preparation of repair procedures, work instructions, and specifications.
- Reporting of repair activities, including before-and-after documentation.
- Importance of traceability and record retention in repair documentation.
- Compliance with regulatory reporting requirements for pressure equipment repairs.