



MU278: Pressure Vessels Fabrication

Training Description:

This intensive training course is designed for providing basic & advanced knowledge about pressure vessel fabrication which is the back bone of Oil & Gas Industry.

If you are an aspiring engineer with a strong determination to top in your career, here is the right training course available for you.

Pressure vessel is a collective name of Tanks, Towers, Columns, Reactors, Desalters etc., used in Petrochemical Industry. Participants will gain knowledge about all important aspects in Pressure Vessel Fabrication like Codes used, how to read and understand the fabrication drawings, important workshop activities, welding & NDT etc.

Training Designed for:

This course is intended for any Engineer or Diploma holder, Mechanical Engineers, Design Engineers, Production Engineers, QC Engineers, Engineer Refreshers, Trainees.

Training Requirement:

"Hand's on practical sessions, equipment and software will be applied during the course if required and as per the client's request."

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client's learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

FIVE DAYS:

- ❖ Introduction
 - Introduction video of Pressure Vessel Fabrication course. Basic outline and course content is explained. This course is designed for providing basic & advance knowledge about pressure vessel fabrication which is the back bone of Oil & Gas Industry.
- ❖ Types of Pressure Vessels
- ❖ Design Standards
 - Understand the Codes & Standards used for Pressure Vessel Fabrication
- ❖ Understanding Fabrication Drawings & Details
 - Vertical Pressure Vessel
 - Horizontal Pressure vessel
 - Assembly, Nozzle & Saddle Details
 - Detail Part Drawings
 - Furnace, Lifting & Transportation Plan
- ❖ Quality Control Documents
 - Review of Quality Control Documents
- ❖ Understanding Fabrication Sequences & Activities

- Understanding Planning & Scheduling of Pressure Vessel
- Understanding Fabrication Activities - Shell Rolling & Dish Forming of Vertical Pressure Vessel
- Understanding Fabrication Activities - Long Seam & Circ Seam setups
- Understanding Fabrication Activities - Nozzle Flange Fitups
- Understanding Fabrication & Assembly Sequencing of Tank & Tower
- ❖ Workshop Calculations Basics
 - Understanding Basic Workshop Calculations
- ❖ Types of Welding
 - Introduction & SMAW process
 - Understanding Welding Basics - GTAW, GMAW, SAW Process
- ❖ NDT & Hydro Testing
- ❖ Final Documentation (MDRB)
- ❖ Exercises/Workshop/Videos
 - Movement of Vessel
 - Inlet Separator Vessel
- ❖ Course Conclusion
- ❖ POST-ASSESSMENT and EVALUATION

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

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