



ASME VIII DIVISION 1

"PRESSURE VESSEL" CODE SIMPLIFIED (ONLINE TRAINING)

COURSE DURATION: 4 DAYS

Master the best practices of ASME Pressure Vessel Fabrication Code to reduce costs, improve plant reliability & productivity, facilitate trade and prevent environmental hazard.

COURSE DESCRIPTION

The correct approach in design, fabrication and maintenance of pressure vessel is essential to operate equipment safely, reduce costs, improve plant reliability and productivity, facilitate trade, and prevent environmental hazard.

This course gives participants coming from Engineering, Manufacturing, Repair and Testing Companies a comprehensive overview about the ASME Boiler and Pressure Vessel Code (BPVC) with main emphasis on **ASME VIII Division 1; the world's most widely used and well known Code covering design, fabrication, inspection and testing for Pressure Vessels.**

It aims to prepare them to fully comply with Code Requirements. The more commonly used subsections, paragraphs and appendices will be covered. Relevant case studies and open discussion of individual problems or situations will be included. They will return with the state-of-the-art industrial knowledge.

COURSE OBJECTIVES

Capitalize on Trainer's leading expertise and gain maximum value to:

- **Understand** and **interpret** ASME VIII code requirements correctly; leading to more efficient and profitable project execution.
- **Effectively** make **cross-references** to internal and external code requirements.
- **Perform** all necessary **precaution** in ordering, basic calculation, fabricating and inspecting pressure vessel in an efficient practice.

COURSE OUTLINE

DAY 1 & 2

1) Welcome & Introduction

2) Introduction into the ASME System

- Purpose of the Code
- Scope of the Code

3) Certificates of Authorization

- Qualification requirements specified by the Code
- Roles specified by the Code

4) Structure of Section VIII, Division 1

- Organization of the Code
- Key terms discussed in the Code

5) Construction Requirements

- Types of Joints
- Static Head consideration
- ASME VIII Div. 1 - Basic Calculations & Charts
- Weld Joint Categories
- Amount of RT – Full or Spot
- RT Factors
- Workshop

DAY 2 & 3

6) Material Requirements

- Material Selection / Material specification
- Material Identification
- Material Testing
- Workshop

7) Fabrication Requirements

- Fabrication sequence
- Material Identification and Traceability
- Forming processes



WHO SHOULD ATTEND?

This class is designed for the following personnel, who fabricate, operate, and regulate the pressure vessels and pressure equipment:

- Mechanical Engineer
- Inspection / Asset Integrity Engineer
- Maintenance Engineer
- Design Engineer
- QAQC Personnel
- Project Engineer
- Managerial Personnel
- Relevant Technical Specialist, Authorities
- Engineers working in refineries, chemical, industrial & gas plants and oil fields.

- Requirements towards to welding and welding inspection
- Workshop

8) Heat Treatment

- Different kinds of Heat Treatments
- Requirements Towards to Heat Treatment
- Temperature Control
- Heat Treatment Procedures

DAY 3 & 4

9) Non-Destructive Testing (NDT)

- Different kinds of NDT
- Requirements of Radiographic Testing (RT)
- Ultrasonic Testing (UT)
- Requirements of Magnetic Particle (MT) & Dye Penetrant Testing (PT)
- Qualification of NDT-Procedures and Personnel
- Workshop

10) Pressure Testing, Stamping & Documentations

- Pressure Test Cautions & Requirements
- Hydrotest / Pneumatic Test
- Vessel MDMT
- Requirements of vessel / name plate stamping
- Requirements of "Manufacturer Data Record"
- Workshop

11) Mock Exam

NOTE:

* Sequence of chapter is subject to training progress.



WHAT OUR PARTICIPANTS SAY ABOUT OUR COURSE...

"What I like most about the Training is the **SIMPLIFICATION.**"

"It is an **excellent learning experience** and has value added in the work environment. It is strongly recommended for the relevant working group to attend.

"Putting the color tabs on the codes make it simpler to look into. Presentation by Lutz is **good and understandable.**"

"After explained by the Trainer, I am more familiar with the ASME code. I found that ASME is not as difficult as we thought. **Makes our life simpler and easier.**"

"Before I attend this Training, my knowledge about ASME is very poor. Now, I am **self-motivated** to get to know more about ASME, quite interesting."

"The presentation material is neat and almost complete; especially the little note given to stick onto the ASME code, **very helpful!**"

"The lesson is quite **interesting!**"



COURSE DURATION

- 4 Days Training

DAILY SCHEDULE

- 8:30am - 5:30pm

ITEMS TO BRING

- **ASME BPVC VIII (Edition 2019)**
 - Hardcopy/Softcopy
- Calculator
- Lots of Questions
- A "CAN-DO" Attitude





TRAINER'S PROFILE

LUTZ SEIBT

Lutz Seibt has more than 25 years hands-on experience as an **Authorized Inspector and Auditor acc. to German Pressure Vessel (AD Merkblaetter), Boiler (TRD) and Storage Tanks Codes, Pressure Equipment Directive (PED), Transportable Pressure Equipment Directive (TPED) and European Construction Material Directive; 9 years out of it within TUV's International Business Unit in Asia Pacific.**

He has conducted numerous training sessions related to Pressure Equipments (based on American and European standards) in Malaysia, Singapore, Korea, China, Thailand and Vietnam.

TECHNICAL QUALIFICATIONS

- ✓ Certified International Welding Engineers (International Institute of Welding - IIW, Germany)
- ✓ Certified API 510 Pressure Vessel Inspector
- ✓ Certified API 570 Piping Inspector
- ✓ Certified API 577 Advanced Welding Inspection & Metallurgy Professional
- ✓ Certified Pedestal Crane Inspector acc. to API RP 2D (Cranetech Training & Inspection, Inc., USA)
- ✓ Certified Safety Engineer (Fachhochschule Frankfurt, Germany)
- ✓ Environmental Auditor (Technical Academy Esslingen, Germany)
- ✓ Bachelor Degree – Motor Vehicle Engineering

SPECIAL SKILLS

- ✓ Inspector for periodical inspection & certification of
 - * Pressure vessels, Steam boilers, Piping Systems
 - * Cranes, Hoisting equipment, Hoisting equipment of lifeboats
- ✓ Inspector for third party & welding inspection and QA/QC in manufacturing / construction of
 - * Pressure vessels, Steam boilers, Piping Systems

COURSES CONDUCTED

- API 510 Pressure Vessel Inspector
- API 570 Piping Inspector
- API 577 Advanced Welding Inspection & Metallurgy Professional cum IDC Welding Inspector
- ASME IX "Welding Qualification"
- ASME VIII Division 1 "Pressure Vessel"
- European Pressure Equipment Directive (PED) 97/23/EC Simplified
- IDC Piping Specialist - Part 1: ASME B31.3 Process Piping
- Leak or Pressure Testing of Pressure Equipment
- Material Certificates (EN10204 / EN10168 / ISO10474)
- Welding & NDT Symbols (AWS / ISO Code)



TRAINER'S PROFILE

LUTZ SEIBT

TESTIMONIALS

It was an excellent program conducted by a very experienced tutor. The discussion topics were directly related to my work scope and responsibilities & helpful and recommended this course to any inspection personnel.

E. Kannan

Discipline Head, Inspection Execution, Sarawak Shell Bhd

As always the course has been conducted to an excellent standard and the learning very much tuned to actual work environments. Very much recommended to all levels of the engineering community.

Pg Hassanal ASBPHM Puteh

Utilities Plant Inspector, Brunei LNG Sdn Bhd

What I like most about the Training is the **SIMPLIFICATION**.

P.Govalupillay

Managing Director, PT. Atmindo (Indonesia)

Before I attend this Training, my knowledge about the pressure vessel code is very poor. Now, I am **SELF-MOTIVATED** to know more about ASME, quite interesting.

Adi Setiawan

Engineer, PT. Atmindo (Indonesia)

The course was conducted successfully and I believe it helps me in having a better understanding of ASME IX "Welding Qualification".

Ir Mohd Rosli Salim

Inspector Engineer, Petronas Penapisan (Melaka)



REGISTRATION FORM

ASME VIII DIVISION 1 "PRESSURE VESSEL" CODE SIMPLIFIED (ONLINE TRAINING)

LAST UPDATED 18-12-2020



DATE: 11-14 JAN 2021
TIME: 8:30AM—5:30PM

VENUE: IDC Training House, No. 7, Unit 8, Jalan Industri PBP 3,
Taman Industri Pusat Bandar Puchong, 47100 Puchong, Selangor, Malaysia.

Please tick where applicable [☐]

COURSE FEE (PER PAX) [☐]

RM 6,000 / USD 1,500

- * Prices include meals and course materials
- * Photocopy this form to register multiple delegates
- * Course fee is subjected to 6% Services Tax (ST) according to Malaysian Government law

Clauses for Registration (Training)

1. MYR course fee is applicable to all Malaysian participant or locally registered company.
2. USD course fee is applicable to any non-Malaysian and non-Malaysia registered company.
3. IDC will determine if the candidate is eligible for MYR or USD course fee based on the invoice (company-sponsored) / participant (self-sponsored) details
4. For any USD training fee paid in MYR, the conversion rate is set at USD 1 = RM 4.50

PARTICIPANT DETAILS

[☐] Self Sponsored

[☐] Sponsored by Company

Full Name (as per IC/Passport):

Salutation:

IC / Passport:

Job Title:

Email:

Mobile No.:

INVOICE DETAILS (If self-paying, kindly provide us your postal address)

Organization Name:

Attention Invoice to (HR/Training Dept.):

Mailing Address (Compulsory):

Salutation :

Direct Line :

Fax :

Email :

Postcode:

FINANCE DEPARTMENT CONTACT DETAILS

Name : _____

Job Title : _____

Email : _____

Direct Line: _____

AUTHORIZATION

Signatory must be authorized to sign on behalf

Name : _____

Job Title : _____

Signature : _____

Date : _____

Company Stamp:
(Applicable if sponsored by company)

* This registration is invalid without signature & company stamp.

METHOD OF PAYMENT (Please tick your preferred option)

[☐] BY CASH

* 50% down payment is required in order to secure the seat.

[☐] BY CREDIT CARD

* 50% down payment is required in order to secure the seat.

* Visa/Master card only. 2% surcharge based on total invoice value.

[☐] BY CHEQUE

* 50% down payment is required in order to secure the seat.

* Made payable to IDC Training House Sdn Bhd.

* Cheque payment will only be accepted if received NOT LESS than 7 working days before training date. Full prepayment via cheque will only be acknowledged upon clearance by the bank.

[☐] BY BANK TRANSFER

* 50% down payment is required in order to secure the seat.

* Seat is confirmed only upon payment received with remittance slip (quoted with invoice number).

* All bank charges to be borne by payer. Please ensure that IDC Training House Sdn Bhd receives the full invoiced amount.

Please refer to the page behind on the registration and training related terms and policies.

To REGISTER, please EMAIL this form to info@idc-training.com or FAX to +603-80687720
For more INFO, please call +603-8061 5126 / 8061 8720

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LAST UPDATED 18-12-2020

**CURRENCY**Please tick where applicable [☐]**BANK ACCOUNT DETAILS****Account holder:** IDC TRAINING HOUSE SDN BHD

<input type="checkbox"/> MYR (Malaysian Ringgit)	Bank : Ambank (M) Berhad Account No : 091-201-200378-6 Swift No : ARBK MYKLXXX
<input type="checkbox"/> USD (United States Dollar)	Bank : OCBC Bank (M) Berhad Account No : 786-113201-4 Swift No : OCBCMYKLXXX

DISCLAIMER

- 1) IDC Training House Sdn Bhd reserves the right to cancel or make alternative arrangements to the course content, date, trainer, venue & course fee if the needs arise due to unforeseen circumstances.
- 2) **Fee does not include any taxes** (withholding or otherwise). In case of any taxes applicable, the client has to ensure that the taxes are paid on top of the investment fee paid for the course. Compliance with the local tax laws is the responsibility of the client.
- 3) **Exam fee charged in MYR is subject to change based on currency conversion.** Participants who failed to register in the said exam window stated in the invoice will need to pay for the difference in MYR if there is an increase in the currency conversion.
- 4) In the event where *physical training is not possible due to border restriction*, IDC will **convert the training online**, and will consult all participants before doing so.

REGISTRATION & CANCELLATION POLICY

- 1) Seat is confirmed only upon receiving Registration Form with Proof of Payment. **Verbal or written request to reserve seat will not be entertained.**
- 2) Any cancellation / amendment must be received in writing. Otherwise, full course fee will be charged accordingly. **Verbal notice alone will not be entertained.**
- 3) For any cancellation received in writing **less than fourteen (14) working days prior to the course date**, or no-show, client is liable to pay the full course fee and **NO REFUND** will be granted. Replacement of delegate to same training session is allowed at no extra charges.
- 4) For any cancellation received in writing NOT less than fourteen (14) working days prior to the course date, full refund will be granted, with less MYR 200 administrative fee and any related bank or credit card charges.
- 5) For any postponement received in writing less than fourteen (14) working days of the training course, client is liable to pay 50% of course fee as a **penalty on late notice**.
- 6) **Service Fee** of MYR 200 will be charged to any request in amending issued invoice beyond given time.
- 7) **LOU provided** by company will **not serve as** 50% payment, and is merely an agreement of commitment.

COPYRIGHT AGREEMENT

Upon signing and submitting the registration form, I hereby agreed as follows:

No part of the course materials including course notes, colour tabs, handouts or any related materials distributed to the participants during the workshop may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without either written permission of IDC Training House.

IDC Training House reserves the right to take any legal action towards the participant who violates this agreement without prior notice

I acknowledge that I have read the Agreement and understand my obligations to comply with the terms and conditions outlined in the Agreement. Hereby, I accept and understand the legal enforcement and consequences thereof.