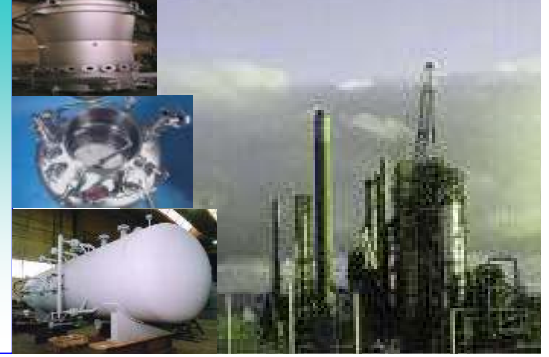


ASME VIII Division 1 "Pressure Vessel" Code Simplified



INTRODUCTION

This course gives participants coming from Engineering, Manufacturing, Repair and Testing Companies a comprehensive overview about the ASME VIII Division 1 "Pressure Vessel" Code and prepares them to fully comply with Code Requirements. In understanding and interpreting this Manufacturing and Testing Code correctly makes the project execution more efficient and profitable.

WHO SHOULD JOIN

This class is designed for

- Pressure equipment Manufacturer,
- Inspectors of Plant Construction & Inspection companies
- Engineers working in refineries, chemical, industrial & gas plants and oil fields.

SPEAKER'S BACKGROUND

Mr. Lutz Seibt is presently the Director of IDC Plant Technology Sdn Bhd. He has 16 years hand-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 given training sessions on Pressure Equipments and German Pressure Vessel Standards for instance in Malaysia, Singapore, Korea and China. The recent trainings he has conducted in year 2008 include:-

- ◆ European Pressure Equipment Directive
- ◆ ASME IX Code "Welding Qualifications" Simplified
- ◆ ASME VIII Division 1 "Pressure Vessel Calculation & Design"
- ◆ ASME VIII Division 1 "Pressure Vessel" Code Simplified

OBJECTIVES

The course provides participants with the knowledge necessary to:

- ◆ Understand and Interpret code requirements and effectively use the ASME VIII Division 1 Code.
- ◆ Effectively make cross-references to internal and external code requirements.
- ◆ Encourage the participants to take all necessary precaution in ordering, basic calculation, fabricating and inspecting pressure vessel in an efficient practice.

TESTIMONIAL

"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!"



Organized by:

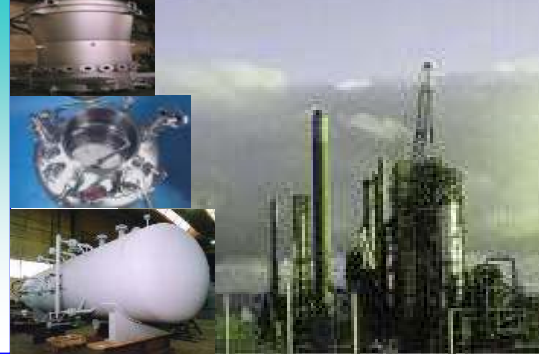
IDC
Training House Sdn Bhd

594752 (M)

HRDF Approved Training Provider (AO470)
Ministry of Finance (Reg. No 357-02088676)

Updated on 13 Jan 2010

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DAY 1

- 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 3

- 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 and Documentations**
 - ◆ Pressure Test Cautions & Requirements
 - ◆ Hydrotest / Pneumatic Test
 - ◆ Vessel MDMT
 - ◆ Requirements of vessel / name plate stamping
 - ◆ Requirements of "Manufacturer Data Record"
 - ◆ Workshop
- 11) **Exam (3 hours)**

DAY 2

- 6) **Material Requirements**
 - ◆ Material Selection / Material specification
 - ◆ Material Identification
 - ◆ Material Testing
 - ◆ Workshop
- 7) **Fabrication Requirements**
 - ◆ Fabrication sequence
 - ◆ Material Identification and Traceability
 - ◆ Forming processes
 - ◆ 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
 - ◆ Workshop

BRING TO CLASS

Students should bring to class:

- ◆ ASME VIII Div. 1 (2007) - Hardcopy
- ◆ A calculator
- ◆ Lots of questions and a "CAN-DO" attitude

DAILY SCHEDULE

3 DAYS ~ 9:00a.m. – 5:00p.m. (Workshop)
Day 1 Registration from 8:30a.m.

CLASS SIZE

Enrollment is limited to 20 students.

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