

European Pressure Equipment Directive (PED) 97/23/EC Simplified



INTRODUCTION

This course gives the participants a comprehensive overview about the European Pressure Equipment Directive. It prepares the participant's companies in dealing with enquiries of European clients for pressure equipments with a special emphasis on the usage of international recognized Design and Manufacturing Codes, such as ASME, to fulfill all its requirements.

OBJECTIVES

The course provides participants with the knowledge necessary to:

- ◆ Get a broad overview about PED and its associate standards.
- ◆ Deal with all kind of enquiries acc. to PED of potential European clients.
- ◆ Develop Quality Assurance Systems acc. to PED.
- ◆ Perform categorization of pressure equipment and find the most economic form of conformity assessment.
- ◆ Link requirements of international recognized codes & standards with the requirements of PED.

TESTIMONIAL

"The class was lively and effective!"

What I like most about the Training...

- ◆ *The interactions between students & instructor*
- ◆ *Standard of presentation*
- ◆ *Knowledge of instructor*
- ◆ *The sample questions provided and answers being discussed, Real-life industrial examples*
- ◆ *Course content & relaxed atmosphere*

"I would like to thank Mr Lutz for all his kindness in explaining all my questions & misunderstandings during the course, which was agreed among the attendants that it is one of the best we ever attended."

Trichai Lauhatirananda

QA/QC Manager

Getabec (German - Thai Boiler Manufacturing Ltd.)

WHO SHOULD JOIN

This class is designed for pressure equipment designer, manufacturers, technical consultants and Notified Bodies.

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 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
- ◆ API 510 Certification Preparation "Pressure Vessel—Maintenance Inspection, Rating, Repair & Alternation"

Organized by:

IDC
Training House Sdn Bhd

594752 (M)

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

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DAY ONE

1. Introduction of PED (History, Recognition, Application)
2. Structure of codes and standards under the PED (Harmonized Standards, International Standards)
3. Structure of PED
4. Definition of Pressure Equipment acc. to PED, Scope of PED
5. Categorization of pressure equipment
6. Conformity assessment of pressure equipment
7. Essential Safety Requirements
 - 7.1 Hazard Analysis
 - 7.2 Design
 - 7.3 Manufacturing
 - 7.4 Materials
 - 7.5 Specific Requirements
8. "Five Finger Method"
9. Manufacturing of Pressure Equipment under PED
 - 9.1 Forming Processes
 - 9.2 Joining Processes (EN ISO 15614-1 EN 287, AD-2000 HP 2.1, HP-3)
 - 9.3 NDT (EN 473 ff)
 - 9.4 Traceability
 - 9.5 Final Inspection and Proof Test
 - 9.6 Marking and Labeling
 - 9.7 Operating Instruction

DAY TWO

10. Materials selection under PED
 - 10.1 Particular Material Appraisal
 - 10.2 EN 10204: 2004
 - 10.3 Certified Material Manufacturer
 - 10.4 Minimum Material Requirements
11. Guidelines
12. ASME Pressure Vessel Code and PED
13. German Pressure Vessel Code and PED
14. Other International Pressure Vessel Codes and PED
15. Practical example of PED usage
16. Examination

DURATION

2 days workshop

DAILY SCHEDULE

8:30 a.m. - 5:00 p.m. (Workshop)

***Day 1 Registration at 8.00am**

CLASS SIZE

Enrollment is limited to 20 students.

BRING TO CLASS

Students should bring to class: a **calculator**, **lots of questions**, and a **"CAN-DO" attitude**.

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