



# EUROPEAN PRESSURE EQUIPMENT DIRECTIVE (PED) 2014/68/EU SIMPLIFIED COURSE DURATION: 2 DAYS

## COURSE DESCRIPTION

The European Pressure Equipment Directive 97/23/CE PED was revised in beginning of 2014 with impact on all manufacturers manufacturing pressure equipment in and for Europe. The new PED (Directive 2014/68/EU) come fully into force from 1st June, 2015 onwards.

This course gives the participants a comprehensive overview about the new European Pressure Equipment Directive and its **changes** compare to the old Directive.

It prepares the participant's companies in dealing with **enquiries of European clients for pressure equipment** with a special emphasis on the usage of international recognized Design and Manufacturing Codes, such as ASME, to fulfil all its requirements.

## COURSE OBJECTIVES

The course provides participants with the knowledge necessary to:

- Get a overview about the new 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.

## COURSE OUTLINE

### DAY 1

- Introduction of PED (History, Recognition, Application)
- Structure of codes and standards under the PED (Harmonized Standards, International Standards)
- Structure of PED
- Definition of Pressure Equipment acc. to PED, Scope of PED
- Categorization of pressure equipment
- Conformity assessment of pressure equipment
- Essential Safety Requirements
  - \* Hazard Analysis
  - \* Design
  - \* Manufacturing
  - \* Materials
  - \* Specific Requirements
- "Five Finger Method"
- Manufacturing of Pressure Equipment under PED
  - \* Forming Processes
  - \* Joining Processes (EN ISO 15614-1, EN 287 and EN ISO 9606-1, AD-2000 HP 2.1, HP-3)
  - \* NDT (EN 473 ff)
  - \* Traceability
  - \* Final Inspection and Proof Test
  - \* Marking and Labeling
  - \* Operating Instruction

### DAY 2

- Materials selection under PED
  - \* Particular Material Appraisal
  - \* EN 10204: 2004
  - \* Certified Material Manufacturer
  - \* Minimum Material Requirements
- Guidelines
- ASME Pressure Vessel Code and PED
- Practical example of PED usage
- Examination



### WHO SHOULD ATTEND?

This class is designed for:

- Pressure Equipment Designer
- Manufacturers
- Technical Consultants
- Notified Bodies

### COURSE DURATION

- 2 Days Training

### DAILY SCHEDULE

- 8:30am - 5:30pm

### ITEMS TO BRING

- Lots of Questions
- A "CAN-DO" Attitude

**Stationeries such as pen and highlighter will be provided.**





## TRAINER'S PROFILE

# LUTZ SEIBT

**Lutz Seibt has more than 20 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)

