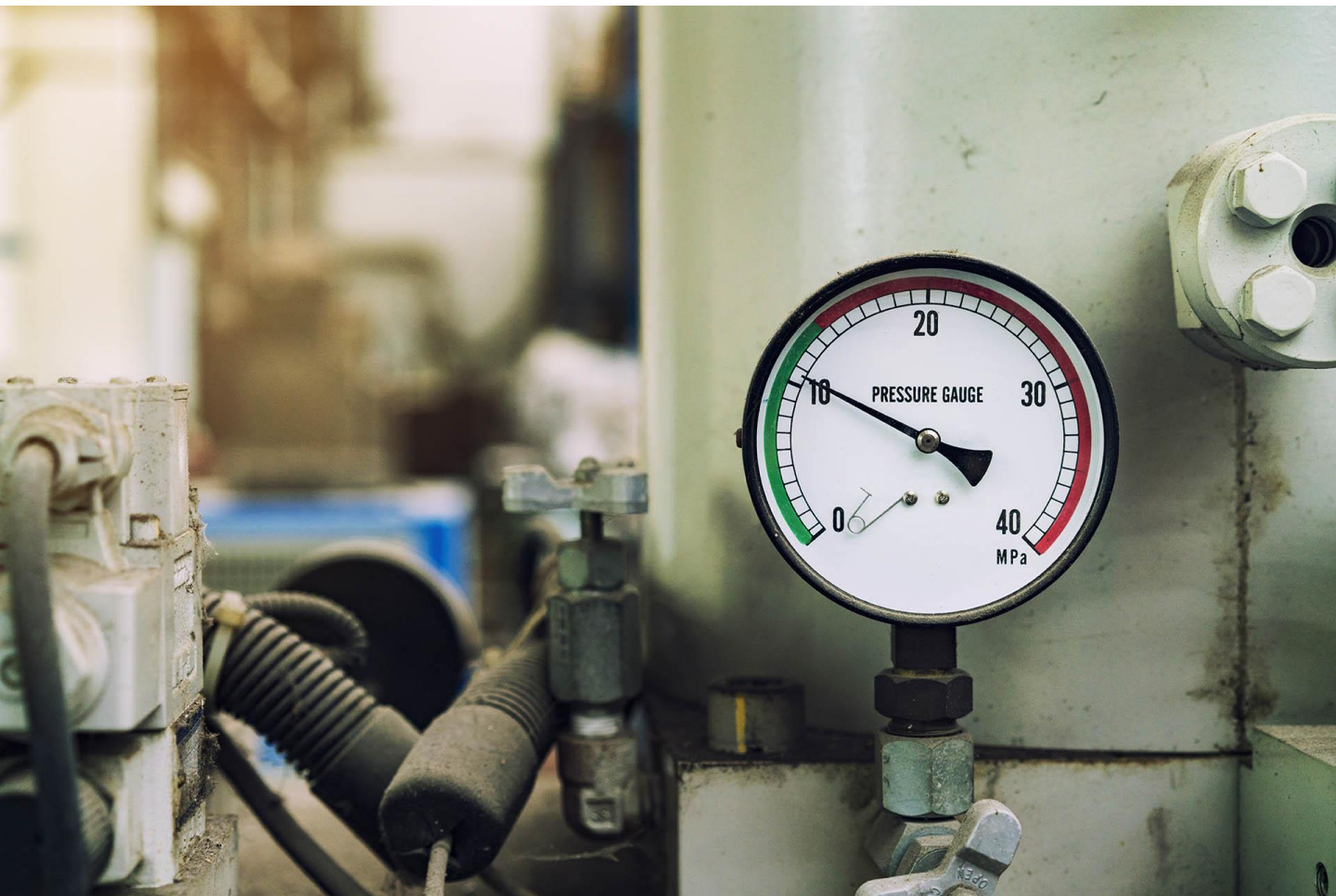


# PRESSURE EQUIPMENT DIRECTIVE (PED)



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## What is PED?

The pressure equipment directive (PED) 2014/68/EU is a European union standard developed by the members of the European union. The standard is developed & published to regulate the design & fabrication process involved in the manufacturing of the pressure equipment, which is to be installed or used in the European union member nations.

The pressure equipment's are the equipment's which operates under a high pressure such as steam boilers, pipes, pressure vessel, valves & other assemblies which are subjected to high pressure during operations. The Pressure equipment which in operating conditions has a pressure greater than 0.5 bar comes under the scope of directives & therefore has mandatory requirement of CE marking. In PED Certification the verification of the processes from design to the user instruction manual is covered.

The organizations complied to ISO 9000 has an advantage of their quality management system, to use their current system as foundation to comply with the essential safety requirements of the PED certifications. It is mandatory throughout the European Union. The standards published in PED are almost identical to the Americans Standards developed & published by American Society of Mechanical Engineers (ASME).

## What are the focus points of PED Certification?

- Inspection, Testing & Certification of product.
- Approval of the material.
- Design examination & verification.
- Product type examination.
- Verification of the Quality system.
- Procedure for PED welder personnel.
- Welding procedures verifications.
- NDT personnel qualifications approval.

## What are the document requirements for PED Certification?

To comply for the PED an organization has to conduct a conformity assessment by a notified body. The notified body while conducting conformity assessment will verify the documents to ensure the level of compliance.

The typical documents which are required for PED certification

- Risk & hazard analysis.
- Technical Specification of the pressure vessel.
- Design calculations & drawings records.
- Welding inspection records.
- Heat treatment records.
- NDT reports & records.
- Stress & flexibility analysis reports.
- Design approval records.
- Hydrostatic testing records.
- Quality Plans.
- Mass flow balance calculations.

## Who all are eligible for PED Certification?

- The organizations which are into the design & fabrication of the pressure equipment's which operates at pressure of greater than 0.5 bar & having volume greater than 1 liter are eligible for the PED Conformity Assessment.

## How did PED Certification evolve throughout the year?

- PED 97/23/EC - The PED 97/23/EC came fully into force in May 2002.
- PED 2014/68/EU – The PED 2014/68/EU came fully into force in 20 July 2016.

## How will PED Certification Benefits your Organization?

- Fast European market access for your product.
- Simplified assessment due to harmonized standards.
- Free movement of the product in the EU region.
- Meeting the safety requirements as per the PED.
- System for documentation & traceability.
- Hazards based assessment to minimize risks.
- Recognition in the European Market.
- Better business prospect in the European Market.
- Organization image as a CE certified supplier.

## How will PQSmitra help you with Hassle - free Implementation process for PED Certification?

PQSmitra has helped many organizations achieving this mark of excellence. The simple and practical method of system implementation help organizations to set up a robust and effective system.

PQSmitra offers 100% support for documentation compliance in addition to onsite guidance for effective implementation. The implementation process is described below:

- Initial visits and review of the existing product.
- Gap analysis and planning for the technical documentation related to product Design and Product Quality & Fabrication.
- Training and Hand holding/ support for implementation.
- Management review meeting.
- Certification audit.
- Closure of non-conformities.
- PED conformity assessment & certification to the organization.



## PQSmitraService Features appreciated by clients



Simple &  
Practical Approach



21 Years of  
Service



2500+  
Successful Projects



5,56,000+  
Consulting Hours

# PQSmitra

Simple & Practical

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