

API-510

**PRESSURE
VESSEL INSPECTOR
CERTIFICATION
PREPARATORY COURSE**

Duration :6 Days

www.tracezglobal.com

INTRODUCTION.

This exam preparatory course conducted by Tracez Cochin, prepares participants in the principles of inspection, repairs and re-rating of pressure vessels and is based on American petroleum institute's body of knowledge. API 510 certification is prestigious for pressure vessel inspectors and for engineers and operators already employed in the oil & gas field to enhance career opportunities in the inspection and maintenance fields.



TRACEZ INDIA.

TRACEZ India is the branch of the Tracez Training & Consultancy Services, an international training company currently operating in Dubai and Muscat.

Tracez team has more than 30 years' experience in developing and delivering training programs for Oil & Gas industries. Tracez has international expertise with major Oil & Gas companies including SHELL, BP, OCCIDENTAL, ARAMCO, ADNOC, etc



WHAT YOU LEARN

- Inspection of pressure vessels & pressure relief valves – foundations.
- In-service inspection of pressure vessels as per API 510 standard.
- Design of pressure vessels as per ASME BPV code section VIII
- Welding metallurgy as per API 577 referenced publication.
- Damage mechanisms specific to pressure vessels.
- Welding procedure and performance
- qualifications as per ASME BPV code, Section IX.
- Non-destructive examination
- Techniques as per ASME BPV code, section V.
- Other topics as required for the API 510 certification exams and effectivity sheets.

SUITABLE FOR

- Inspection Engineering personnel
- Operators and Technicians
- Engineers and Project managers



MODE OF DELIVERY

- Highly visual Powerpoint slides
- Videos & Graphics
- Case studies
- Assignments
- Group discussion

MODULES

1. Inspection of Pressure Vessel as per API 150
2. Damage Mechanisms affecting pressure vessels
3. Inspections of pressure relieving devices as per API 576
4. Inspection practices as per API 572
5. Welding technology as per API 577
6. ASME Sec IX
7. ASME Sec V
8. Design of pressure vessel as per ASME Section VIII, division 1
9. Modern trends in managing asset integrity of pressure vessels



ADDITIONAL PROGRAMS

Program titles	International Certification	Duration
Technical, HSE & Leadership Training	Various	2 to 5 days
CPE – certified Professional Engineer Level 1 Skill development for Engineers - All branches	CPD, UK STED Council	3 months
Diploma in Managing Health & Safety of Process Industries	OGSC, UK	3 months
Certified Train the Trainer - Training & Certification. Suitable for all instructors, teachers, trainers & lecturers	CPD, UK.	3 days
Competence Assessor & Internal Verifier Certification City & Guilds / OPITO	OPITO, City & Guilds	3 days
Technical Programs to support Engineering Colleges Discipline specific Engineering Applications Training	various	2 to 5 days
Pipeline Design Engineering	STED Council	5 Days
Diploma in Oil & Gas Operations :	City & Guilds	4 months
Competent Electrical Person Electrical Skill development & Certification	TUV Rheinland	5 days

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