

**API 570 -
PIPELINE
INSPECTOR
CERTIFICATION
PREPARATORY
COURSE**

Duration :6 Days

Delivery: Online Zoom



TRACEZ

Training and Consultancy Services

Dubai, Muscat & India

www.tracezglobal.com

ABOUT PROGRAM

This exam preparatory course conducted by Tracez Cochin, prepares participants in the principles of inspection, repairs and re-rating of piping & pipelines and is based on American petroleum institute's body of knowledge. API 570 certification is prestigious for piping inspectors and for engineers and operators already employed in the oil & gas field to enhance career opportunities in the inspection and maintenance fields.

LEARNING OUTCOME

- Inspection of plant piping – foundations.
- In-service inspection of pressure piping as per API 570 standard.
- Design of piping as per ASME B 31.3 standards.
- Welding metallurgy as per API 577 referenced publication.
- Corrosion and damage mechanisms as per API 571 for damage mechanisms common for piping / piping systems.
- Welding procedure and performance qualifications as per ASME BPV code, Section IX.
- Non-destructive examination techniques as per ASME BPV code, section V.
- Materials identification program as per API 578.
- Piping components & fittings selection and application as per ASME B 16.5 standards.
- Pressure rating and corrosion rate calculations

SUITABLE FOR

- Pipeline Engineers/Managers
- Quality Control and Technical Supervisory Personnel,
- Personnel responsible for implementing integrity management programs of pipelines
- Project managers,
- Operation and Maintenance Engineers

MODE OF DELIVERY

- Highly visual PowerPoint slides
- Videos & graphics
- Quizzes,
- Problem solving activities
- Case studies as part of the course modules.
- Problem Solving Sessions

MODULES

- Basics of Pipes, piping systems
- Introduction to in-service piping inspection & API 574
- Overview of API 570 standard & application
- Design of piping & and piping systems as per ASME B 31.3 code
- Materials verification program, API 578
- Welding metallurgy, quality & defect assessment – API 577 & ASME section IX application
- ASME B 16.5 code application in piping systems
- Damage mechanisms that affect piping systems & API 571 RP
- Non destructive examination & ASME section V overview
- Modern trends in piping engineering

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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	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
Competent Electrical Person Electrical Skill development & Certification	TUV Rheinland	5 days

