

GAS PLANT INSPECTION

Designed for both gas production industry inspectors and professionals in related fields such as petrochemical or chemical, this course offers essential knowledge and competencies. Ensuring the safety and reliability of gas plants is vital for operators, wellhead facilities, separation units, refineries, and other gas production and transportation facilities. Inspection and maintenance are essential throughout their operational life.

Focused on the gas production unit, this course caters specifically those in industries who are seeking comprehensive training in gas process plant inspection. Unlike generic courses covering inspections, repairs, API codes, and fitness for service assessments, this course is tailored to the gas industry's unique requirements.

GPI
COURSE



Interactive discussions & Q&A sessions



Case studies from the trainer's experience



Individual consultancy with the trainer



Certificate of completion issued by the NAPC



Course objectives

- Gas Production Plant Principles
- Metallic Materials Awareness
- Damage Mechanisms and Inspection Rationale
- Comprehensive Inspection Standards
- Standard Assessment and Analysis
- Safe and Efficient Plant Operations
- Enhanced Reliability, Reduced Shutdowns
- Smart Inspection Planning for Cost Optimization

Proposed main syllabuses

The following syllabuses are proposed for the course.

- 01 Introduction to gas plants process
- 02 Materials used in gas plants
- 03 Active damage mechanisms in gas units
- 04 Inspection planning and inspection
- 05 Assessment of inspection result
- 06 Repair strategy

Who should attend ?

Inspectors: In-service & shutdown inspection.

Engineers: Design, planning, integrity management.

Plant Managers & Integrity Teams: Operational oversight.

Course duration and exam

5 days(40 hours) course with a one-day exam;

the exam will be conducted in two parts ,closed-book (theory) and open-book (case study)

The course is including theory and practical sections, the practical part will be conducted by the designed case studies to increase the ability of candidates to assess the real case.

For the exam part, 2exam packs will be considered

