



# INSULATION INSPECTOR

## Level 3

BROADENS YOUR THERMAL INSULATION EXPERTISE AND KNOWLEDGE.



### Who Should Join

- QA/QC engineers, Managers, Supervisors, Insulation & Coating Inspectors, etc.



### Course & Exam Fee

- USD 995/- (Traditional Class)
- USD 695/- (Online/Virtual Class)



### Participation Eligibility

- IOGS Insulation Inspector L2
- Approved Equivalent (NACE, ICORR, etc.)



### Current Schedules

- Mar 21 - 24, 2026 Online Class (Virtual)
- Jul 26 - 29, 2025 Online Class (Virtual)
- Oct 23 - 26, 2026 Online Class (Virtual)

## Course Overview

This exciting 4-day training program aims to provide professionals with the knowledge and skills necessary to lead, manage, and conduct QA/QC activities in thermal insulation, which is used to restrict heat energy into or out of a process within the oil & gas or petroleum industries.

The course covers international standards, QA/QC plans, documentation control, inspection methods, insulation systems, and construction quality management.

In addition to learning how to perform inspection and QA/QC activities on thermal insulation projects, participants will also learn about best practices and regulatory compliance.

## TRAINING OPTIONS

- 1. Instructor-Led Virtual Class (Online)
- 2. Traditional Class (Offline)

## CLASS TIMING

- Virtual Classes: Held in the Evening on Weekends (Thu & Fri or Sat & Sun)
- Traditional: Held During the Normal Work Hours at our Training Centers

## DURATION

- 4 Days (or 16 Hours)
- Virtual Classes: 4 Hrs x 4 Days
- Traditional: 8 Hrs x 2 Days

## NOTED BENEFITS

### CONVENIENT

You can study ONLINE with IOGS, which allows you to learn from home, work, or while traveling.

### AFFORDABLE

Our Course price is 50% to 60% cheaper than other alternative providers.

### FLEXIBLE

Studying online on weekends lets you work while acquiring essential skills.

## HOW TO ENROLL

- [Click Here](#) to Enroll Online
- Download [PDF Form Here](#)

## MORE DETAILS

- Play a [Video Tutorial Here](#)
- Email us at [training@iogs.org](mailto:training@iogs.org) for more details
- Visit the Institute Website at [www.iogs.org](http://www.iogs.org)

## COURSE OBJECTIVES

**By the end of this course, participants will be able to:**

- Understand the principles of QA and QC and their role in thermal insulation
- Interpret and apply relevant international codes and standards (API, CINI, ISO, etc.)
- Develop and implement QA/QC plans and inspection test plans (ITPs)
- Conduct an effective thermal insulation inspection
- Monitor and manage quality performance across the construction lifecycle
- Prepare and manage QA/QC documentation and final handover dossiers
- Identify and address common quality issues and non-conformances
- Support continuous quality improvement initiatives on-site
- Understand the importance of thermal insulation and the consequences of CUI

## ORGANIZATION IMPACT

**Organizations that enroll their staff in this course will benefit from:**

- Enhanced project quality outcomes and reduced rework during the construction phase
- Reduce the CUI possibilities at the operation phase
- Improved compliance with international standards, best practices, and regulatory requirements
- Strengthened the team's skills towards achieving the quality result
- Competent QA/QC teams that contribute to timely project delivery
- Prepare accurate reports and manage QA/QC documentation and final handover dossiers
- More effective vendor and contractor quality oversight
- Support continuous quality improvement initiatives on-site
- Stronger client confidence in project execution and delivery

## PERSONAL IMPACT

**Participants will gain:**

- Applicable QA/QC skills in thermal insulation
- A strong understanding of hot, cold, and acoustic insulation systems
- Enhanced professional credibility and career opportunities
- Confidence in handling inspections and non-conformances
- Exposure to industry best practices and lessons learned
- Certification of achievement for professional development records



Keep Learning



Keep Growing



Keep Succeeding

## TOPICS COVERED

- The purpose of thermal insulation in the oil and gas & petroleum industry
- Heat and the concept of heat movement or transfer
- Common considerations in designing a thermal insulation system
- Insulation materials properties
- How an insulation material is categorized
- Various types of protective jacketing and their purposes
- Various types of accessory materials and their use
- Insulation system and coding
- The types of insulation materials used in the oil & gas industry
- Insulation material identification and limitations
- Insulation material properties
- The common physical forms used for insulating vessels, pipes, and exchangers

## TOPICS COVERED

- The purpose and use of vapor barrier, stop, and joint sealants
- Storage and handling requirements
- Installation requirements for hot and cold insulation systems
- Installation requirements for acoustic insulation systems
- The purpose of the PP insulation system and its limitations
- Insulation installation requirements on pipes, vessels, exchangers, and the like
- What liquid insulation systems are and where they are used
- anti-corrosion coating used under insulation
- Corrosion under insulation (CUI) and how to minimize it
- Inspection and QA/QC requirements
- Essential documents required for thermal insulation work to execute
- Applicable standards and best practices
- Health & Safety considerations during insulation work

Did you know a medium-sized oil refinery contains 465 miles of insulated piping and 1.6 million square feet of insulated equipment?



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