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PROJECT QUALITY PROFESSIONAL

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The comprehensive Project Quality Professional (PQP) certification course is designed and developed by The Institute for Oil and Gas Sector (IOGS) for newcomers to project quality management, as well as working professionals looking to expand their quality management knowledge and skills and take their careers to the next level. The course is designed in a way that allows you to learn ONLINE at your own pace and convenience from anywhere and at any time through the IOGS Learning Management System (LMS).



DEVELOP

Study the PQP certification course to develop your quality management knowledge and skills



ACHIEVE

Get a symbolic qualification and enhance your resume to stand out from the crowd



ADVANCE

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COURSE TOPICS AND LEARNING OBJECTIVES

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Project Quality Professional Certification Course

COVERED TOPICS



COURSE AND EXAM FEE

USD 495/-

LEARNING MODE

Online (Course and Exam)

What You'll Learn

- ✓ Develop familiarity with quality and its concept
- ✓ Have an understanding of how the project's quality requirements are fulfilled and maintained
- ✓ Know the 4 pillars of quality
- ✓ Understand what a standard is and the differences between internal and external standards
- ✓ Differentiate between the audit and quality assurance
- ✓ Aware of quality control, inspection and testing

And Many More...

- ✓ Quality and its meaning
- ✓ Overview of project quality management
- ✓ Strategies used to achieve the quality objectives of a project
- ✓ Information on quality management plan
- ✓ What plan, manage, and control quality is
- ✓ Standard and Best Practices
- ✓ Internal and external standards
- ✓ Audit and QA vs Audit
- ✓ Quality Control, Inspection & Testing

And Many More...



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WHY STUDY WITH IOGS?



1

CONVENIENT

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

2

AFFORDABLE

When compared to classroom learning, studying online saves an average of 50% on venue and travel costs.

3

FLEXIBLE

You can study whenever it is convenient for you and set up your own timetable to fit with your work and lifestyle.

HOW WILL YOU STUDY?

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Students who study for 2 to 3 hours every day usually finish the course in 4 weeks.



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INSULATION

INSPECTOR LEVEL 2

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Thermal insulation is used to conserve energy into or out of a process, the 70% or more of the piping and equipment within the oil and gas or petroleum industry (offshore/onshore, oil refineries, etc.) are insulated for heat conservation, cold conservation, process control, acoustic attenuation, personnel protection purposes, and other purposes.

The IOGS/CII Level 2 Insulation Inspector course will educate you on all you need to know about thermal insulation used on pipes, equipment, exchangers, and the like in an oil refinery or industrial process plant, and focuses on developing your insulation inspection and QA/QC work skills.



DEVELOP

Develop the skills necessary to apply for jobs in the oil & gas industry's thermal insulation work field

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COURSE TOPICS AND LEARNING OBJECTIVES

Insulation Inspector - IOGS/CII Level 2

[PLAY THE COURSE OVERVIEW VIDEO](#)

COURSE AND EXAM FEE

US\$ 495/-

LEARNING MODE

Online (Course & Exam)

What You'll Learn

- ✓ Develop familiarity with Thermal Insulation
- ✓ Have an understanding of the various types of insulation materials used in the oil & gas industry
- ✓ Know the 4 types of insulation materials
- ✓ Understand the insulation materials physical forms, temperature limitation and suitability for use
- ✓ Be familiar with the accessories and jacketing materials (metallic and non-metallic)
- ✓ Have an understanding on inspection and quality control requirements

And Much More...



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Sharif, Patna 801505

COVERED TOPICS



- ✓ Purpose of thermal insulation
- ✓ The mediums of heat transfer
- ✓ Insulation material's, types, physical forms and suitability for use
- ✓ Properties and characteristics of insulation
- ✓ Thermal insulation systems and coding
- ✓ Insulation accessories and fastening materials
- ✓ Metallic and non-metallic protective jacketing's
- ✓ Corrosion under insulation (CUI)
- ✓ Quality Control, Inspection & Testing

And Much More...



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FIREPROOFING INSPECTOR LEVEL 2



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Steel is a widely used material in the oil & gas industries, which works with a number of highly combustible materials. Because, no industry is more prone to fire-related accidents than oil & gas, the industry uses the passive fire protection (PFP) methodologies to protect the steel from fire. PFP keeps the steel's integrity intact for a certain period of time and prevents it from collapsing prematurely, thereby protecting people, facilities, and equipment from the damaging effects of fire.

The IOGS/CFI Level 2 Fireproofing Inspector course will educate you about the use of passive fireproofing in oil & gas industry and develops your passive fireproofing inspection and quality control work skills.



DEVELOP

Gain the skills necessary to apply for jobs in the oil & gas industry's passive fireproofing work field



ACHIEVE

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COURSE TOPICS AND LEARNING OBJECTIVES

Fireproofing Inspector - IOGS/CFI Level 2

[PLAY THE COURSE OVERVIEW VIDEO](#)

COURSE AND EXAM FEE

US\$ 495/-

LEARNING MODE

Online (Course and Exam)

What You'll Learn

- ✓ Know the reasons for the use of fireproofing in the oil & gas industries
- ✓ Have understanding on differences between active and passive fire protection (AFP/PFP)
- ✓ Understand what intumescent and cementitious fireproofing systems are
- ✓ Be able to identify the differences between thin, thick, and LWC fireproofing systems
- ✓ Learn about how intumescent and cementitious fireproofing systems protect steel from fire
- ✓ Gain a broad knowledge of fireproofing application, inspection and quality control requirements

And Much More...



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📍 Phulwari Sharif, Patna 801505

COVERED TOPICS

- ✓ Introduction and use of passive fireproofing
- ✓ Fire classification and types
- ✓ Certification bodies
- ✓ Storage and handling
- ✓ Different types of fireproofing systems used in the industry
- ✓ Vermiculite based cementitious fireproofing
- ✓ Epoxy based intumescent fireproofing
- ✓ Surface preparation, meshing, pinning, priming and application requirements
- ✓ Quality Control, Inspection & Testing requirements

And Much More...



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HOW WILL YOU STUDY?

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COATING INSPECTOR LEVEL 2



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Corrosion eats or degrades metals and their properties; it is an electrochemical process and typically occurs when metals are exposed to an environment that permits water or moisture (electrolyte) to come into contact with them. Corrosion is a serious problem in the oil & gas industry that, if ignored, leads to the falling of pipes and equipment, resulting in incidents and catastrophic events affecting both oil companies and the environment. To protect the metal from corrosion the industry uses the painting or more correctly protective coating as a first line of defense against corrosion.

The IOGS/CCI Level 2 Coating Inspector course will educate the students about the protective coating used in oil & gas industry and develops their coating inspection and quality control work skills.



DEVELOP

Gain the skills necessary to apply for jobs in the oil & gas industry's protective coating/painting work field



ACHIEVE

Achieve a symbolic qualification and enhance your resume to stand out from the crowd



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COURSE TOPICS AND LEARNING OBJECTIVES

Coating Inspector - IOGS/CCI Level 2

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COURSE AND EXAM FEE

USD 495/-

LEARNING MODE

Online (Course and Exam)

What You'll Learn

- ✓ Learn the concept of corrosion control through the protective coating
- ✓ Know the importance of surface preparation and the methods used
- ✓ Understand the degree of surface cleanliness and roughness
- ✓ Get an understanding on coating types and constituents used
- ✓ Learn the methods used for the coating application
- ✓ Learn the various types of coating defects, their cause and remedies
- ✓ Gain a broad knowledge of coating application, inspection and QA/QC requirements and methods used

And Much More...



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COVERED TOPICS



- ✓ Introduction and use of protective coating
- ✓ Corrosion and the control methods used
- ✓ Rust and blast cleaning grades
- ✓ Storage and handling
- ✓ Various types of coating materials used in the oil & gas industry
- ✓ Coating systems, curing and curing mechanism
- ✓ Surface preparation and its importance
- ✓ Surface cleanliness, roughness, environmental condition, and application requirements
- ✓ Quality Control, Inspection & Testing requirements

And Much More...



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DIPLOMA IN THERMAL INSULATION



ACHIEVE THERMAL INSULATION EXPERTISE IN THE OIL & GAS, PETROLEUM, OR PETROCHEMICAL INDUSTRIES. ACQUIRE THE FUNDAMENTAL SKILLS NECESSARY TO START OR STRENGTHEN YOUR OIL & GAS CAREER.



Who Should Join

- Anyone willing to gain thermal insulation skills and expertise.
- Engineers, Managers, Supervisors, Freshers, QA/QC, Insulators, etc.



Course & Exam Fee

- USD 795/-



Participation Eligibility

- None



Learning/Study Mode

- Online (Study from anywhere & anytime)
- 1 Year Course Access
- Online Exam

Course Overview

The Diploma in Thermal Insulation course, also referred to as IOGS/DTI, is one of the most popular courses offered by the Institute for the Oil & Gas Sector (IOGS), giving individuals the opportunity to develop the essential thermal insulation skills and knowledge required to begin or strengthen their careers in the oil & gas industry's thermal insulation profession.

The course is offered online via the learning management system (LMS), allowing students to study conveniently from anywhere using an internet-enabled device (e.g., smartphone, laptop, desktop, etc.).

The course covers hot, cold, and acoustic insulation systems used on piping vessels, exchangers, etc., in the oil and gas or petroleum industry.

COURSE OBJECTIVES

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

- Understand the use and importance of thermal insulation
- Identify the various types of thermal insulation material, their use, and limitations
- Gain knowledge of the protective jacketing and the importance of its use with the thermal insulation system
- Aware of insulation thicknesses, physical forms, layering, and fastening
- Differentiate the hot, cold, and acoustic insulation systems
- Understand the use of vapor barrier, vapor stop, and joint sealant
- Identify and address common quality issues and non-conformances
- Demonstrate the step-by-step process of installing a thermal insulation system
- Understand the CUI, its consequences, and the prevention strategies used
- Know the applicable standards and best practices, as well as interpret the drawings, spec, and procedures

ORGANIZATION IMPACT

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

- Competent execution teams that contribute to timely project delivery
- Reduce re-work and avoid wastage
- Work completion following the stated requirements
- Enhanced project quality outcomes
- Tasks completed efficiently and accurately, with faster turnaround times
- Reduce the Corrosion Under Insulation Risk (CUI)
- Improved compliance with international standards, best practices, and regulatory requirements
- Enhance the reduction of heat movement into or out of processes
- Achieve the quality result
- Stronger client confidence in project execution and delivery

PERSONAL IMPACT

Participants will gain:

- Thermal insulation skills, knowledge & expertise
- A strong understanding of hot, cold, and acoustic insulation systems
- Enhanced professional credibility and career opportunities
- Confidence in carrying out the thermal insulation work
- Exposure to industry best practices and applicable standards
- Certificate of achievement for professional development records

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

Online learning enables you achieve the essential oil & gas work skills from any part of the world, even while working or at home.

HOW TO ENROLL

- [Click Here](#) to Enroll Online
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MORE DETAILS

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- Email us at training@iogs.org for more details
- Visit the Institute Website at www.iogs.org



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TOPICS COVERED

- Introduction and use of thermal insulation
- Why are pipes, equipment, tanks, and exchangers insulated?
- Heat transfer mechanism
- The 3 categories of insulation materials
- Popular insulation materials used in the oil & gas industry
- Insulation material's physical forms
- Temperature limitations and use
- Hot, cold, acoustic, and PP insulation systems
- Accessories, jacketing materials, and their roles
- Insulation materials properties
- The use of a vapor barrier and a vapor stop
- Metallic and non-metallic jacketing materials
- Jacketing finishes and coatings used

TOPICS COVERED

- Designing a thermal insulation system
- Tools and equipment required for insulation installation
- Installation of hot and cold insulation systems
- Corrosion under insulation (CUI) introduction
- What causes CUI, and how to detect and prevent it?
- Importance of specification, ITP, PDS, and MSDS
- Writing a thermal insulation procedure
- Anti-corrosion coatings used before insulation and their importance
- Thermal insulation inspection awareness
- Applicable standards and best practices
- Health and safety considerations
- Common health hazards associated with thermal insulation work and precautionary measures

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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