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For Training and Development

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Course: Bolting and Flange Joint Integrity Specialist

Code	City	Hotel	Start	End	Price	Language - Hours
811	Hong Kong	Hotel Meeting Room	2025-12-29	2026-01-02	5950 €	En - 25

Introduction

The bolting & flange joint integrity specialist qualification program is designed to train and evaluate a pressure equipment inspector's ability to access, inspect, manage and develop procedures in an effective manner during construction, commissioning and operational phases.

Through our course and hands-on training, successful candidates will understand and demonstrate the principles and practices to safe bolted joint assembly and implementation of flange integrity systems as outlined in Appendix A of ASME PCC-1" Guidelines for Pressure Boundary Bolted Flange Joint Assembly" and EN 15914:" Qualifications of personnel competency in the assembly of the bolted connections of critical service pressurized system."

OBJECTIVE:

- Explain the importance & method involved in bolting assemblies.
- Identify & evaluate the types of industrial flanged joints and problems.
- Describe common flange principles.
- Explain the advantages of using bolted & flange joints.
- Discuss the concepts that underlie a functioning bolted joint.
- Describe & recognize the importance of following the ASME PCC-1 guidelines.
- Contribute to a safe work environment for bolting assemblies.

WHO SHOULD ATTEND

- Engineers and technicians involved in the assembly, disassembly or quality assurance of bolted joints for major plants, operators and contractors in oil & gas, petrochemical and power generations, or any industry that employs pressure boundary bolted flange joints.
- API Inspectors / Project Engineers.
- Inspection Supervisors.
- Technicians.
- Field QA /QC personnel

OUT LINE –

MODULE 1 - PRINCIPLES OF BOLTED JOINTS: -

- Introduction of bolted Joints
- General Bolting Principles
- Flange Assembly Component & Types of Joints

MODULE 2 – BOLTING & FLANGED ASSEMBLIES

- Introduction of Joint Assemblies
- Introduction of Flange Management Systems
- Method Of Tightening
- Safe Work Practices during Assemblies

MODULE 3 – INSPECTION AND TESTING

- Introduction of Inspection & Testing
- Inspection & Testing Requirements
- Technical Report Writing Skill
- Safe Work Practices during Inspection & Testing

MODULE 4 – MAINTENANCE: -

- Introduction of Maintenance
- Imperfections & Anomalies
- Maintenance Methods
- Records & Report Management
- Safe Work Practices during maintenance

MODULE 5-PRACTICAL APPLICATION

- Hand Torque Bolted Connection Techniques
- Hydraulically Torque Bolted Connection Techniques

The Scandinavian Academy for Training and Development employs modern methods in training and skills development, enhancing the efficiency of human resource development. We follow these practices:

- **Theoretical Lectures:**
  - We deliver knowledge through advanced presentations such as PowerPoint and visual materials, including videos and short films.
- **Scientific Assessment:**
  - We evaluate trainees skills before and after the course to ensure their progress.
- **Brainstorming and Interaction:**
  - We encourage active participation through brainstorming sessions and applying concepts through role play.
- **Practical Cases:**
  - We provide practical cases that align with the scientific content and the participants specific needs.
- **Examinations:**
  - Tests are conducted at the end of the program to assess knowledge retention.
- **Educational Materials:**
  - We provide both printed and digital scientific and practical materials to participants.
- **Attendance and Final Result Reports:**
  - We prepare detailed attendance reports for participants and offer a comprehensive program evaluation.
- **Professionals and Experts:**
  - The programs scientific content is prepared by the best professors and trainers in various fields.
- **Professional Completion Certificate:**
  - Participants receive a professional completion certificate issued by the Scandinavian Academy for Training and Development in the Kingdom of Sweden, with the option for international authentication.
- **Program Timings:**
  - Training programs are held from 10:00 AM to 2:00 PM and include coffee break sessions during lectures.