



Hot Oil Operations

Course Introduction:

This course is designed to equip participants with a comprehensive understanding of the key concepts, components, and operational practices associated with hot oil systems.

Throughout the course, participants will explore the fundamentals of hot oil operations, including system design, maintenance, and safety considerations. Emphasis will be placed on understanding the various components of hot oil systems, their functions, and the best practices for ensuring efficient and safe operations. By analyzing industry standards and real-world case studies, attendees will gain valuable insights into effectively managing hot oil operations and addressing common challenges.

Course Objectives:

By the end of the program, participants will be able to:

- Understand the fundamental principles of hot oil operations.
- Learn about the key components and functions of hot oil systems.
- Explore best practices for the maintenance and operation of hot oil systems.
- Analyze safety considerations and risk management in hot oil operations.
- Familiarize participants with industry standards and regulatory requirements.

المركز العالمي للتدريب والتطوير
International Centre For Training & Development

Who Should Attend?

This course is intended for Engineers and technicians working with hot oil systems, Operations personnel involved in managing thermal processes, Safety and compliance officers in industrial settings and Project managers overseeing hot oil system installations.

Course Outline:

Day 1: Introduction to Hot Oil Systems

- Overview of hot oil systems and their industrial applications
- Key definitions and concepts related to hot oil operations
- Types of heat transfer fluids and their properties

Day 2: Components of Hot Oil Systems

- Detailed examination of key components: heaters, pumps, and heat exchangers
- Understanding system layout and flow diagrams
- Importance of insulation and thermal management

Day 3: Operating Practices for Hot Oil Systems

- Best practices for operating hot oil systems efficiently
- Routine maintenance guidelines and procedures
- Monitoring system performance and identifying inefficiencies

Day 4: Safety Considerations in Hot Oil Operations

- Overview of safety risks associated with hot oil systems
- Emergency response procedures and risk mitigation strategies
- Regulatory requirements and industry standards for safety

Day 5: Troubleshooting and Performance Optimization

- Common issues encountered in hot oil operations and their solutions
- Systematic approaches to troubleshooting hot oil systems
- Strategies for optimizing performance and reducing downtime

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work

Course Fees:

To be advice as per course location. This rate includes participant's manual, Hands-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks
10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session