

TRAINING TITLE

BOILER FLAME SUPERVISION CONTROL

Training Duration

5 day

Training Venue and Dates

Ref. No. ME192	Boiler Flame Supervision Control	5	04-08 Aug. 2025	\$5,500	DUBAI, UAE
--------------------------	---	----------	------------------------	----------------	-------------------

In any of the 4 or 5-star hotels. The exact venue will be informed later.

Training Fees

- \$5,500 per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Lunch

Training Certificate

Define Management Consultants Certificate of course completion will be issued to all attendees.

TRAINING DESCRIPTION

This training course is designed to provide participants with a comprehensive understanding of boiler flame supervision control systems. It covers the key principles of flame detection, control systems, safety standards, and troubleshooting techniques necessary to ensure efficient and safe operation of boilers. The program combines theoretical knowledge with hands-on training to ensure participants can apply the skills learned directly in their work environment.

TRAINING OBJECTIVES

By the end of the course, participants will be able to understand

- Understand the fundamentals of boiler flame supervision and control systems.
- Identify and troubleshoot common flame detection issues in boilers.
- Apply safety protocols and regulatory standards to boiler flame supervision.
- Operate, maintain, and optimize boiler flame supervision control systems.
- Enhance their ability to perform inspections, diagnostics, and corrective actions to ensure boiler safety and efficiency.

WHO SHOULD ATTEND?

- Boiler Operators and Technicians
- Maintenance Engineers and Supervisors

DMCT/OL/9/18(Rev3Dt:23/9/18)

- Safety Officers and Compliance Managers
- Anyone involved in the operation, maintenance, or safety of boiler systems

TRAINING METHODOLOGY

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions and motivating everybody to find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course.

Very useful Course Materials will be given.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work & Practical Exercises
- 20% Videos & General Discussions

COURSE PROGRAM:

Day 1: Introduction to Boiler Systems and Flame Supervision

- Overview of Boiler Systems and Their Functions
- Principles of Flame Supervision and Control
- Types of Flame Detectors and Their Operation
- Basic Flame Detection Technologies (UV, IR, Ionization)
- Safety Standards and Regulations for Boiler Flame Supervision

Day 2: Flame Detection Technologies

- Detailed Review of Flame Detection Methods
 - UV Sensors
 - Infrared Sensors
 - Ionization Probes
- Factors Affecting Flame Detection (Temperature, Emission)

Day 3: Flame Supervision Control Systems

- Boiler Flame Supervision Control Logic
- Control System Components: Valves, Actuators, Sensors

DMCT/OL/9/18(Rev3Dt:23/9/18)

- Understanding Burner Management Systems (BMS)
- Interlock and Safety Shutdown Mechanisms

Day 4: Troubleshooting and Maintenance of Flame Supervision Systems

- Common Faults and Failures in Flame Supervision
- Troubleshooting Flame Detection Systems
- Diagnosing Electrical and Signal Issues
- Preventive Maintenance and Regular Inspections

Day 5: Safety, Best Practices, and System Optimization

- Boiler Flame Supervision Safety Protocols and Emergency Procedures
- Optimizing Flame Supervision for Efficiency and Reliability
- Integrating Flame Supervision with Boiler Control Systems
- Final Assessment, Q&A, and Certifications

NOTE:

Pre-& Post Tests will be conducted.

Case Studies, Group Exercises, Group Discussions, Last Day reviews, and assessments will be carried out.

www.definettraining.com

DMCT/OL/9/18(Rev3Dt:23/9/18)

P.O BOX 45304
ABU DHABI, U.A.E

T +971 2 6264455
F +971 2 6275344

www.definettraining.com