



# FMM CERTIFICATE IN BOILERMAN

**Date: November 11-14, 2024**

**Venue: FMM Sabah Branch**

## COURSE OBJECTIVES

This programme will:-

- Enhance knowledge and upgrade the skills of personnel handling and operating steam Boilers in order to efficiently manage and handle steam boilerstowards better work performance
- Create opportunities for career advancement
- Prepare participants to sit for the BoilermanExaminations conducted by Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP/DOSH)

## Who Should Attend

At least 2 years of working experience in assisting Steam Engineer or Steam Boiler Attendant or at least 3 years working experience as an Apprentice or Journeyman Fitterin a Steam Plant or Engineering Workshop

## Entry Requirement

- Malaysian citizen, no less than 21 years of age
- At least 2 years of working experience as a Steam Engine or Steam Boiler Attendant (directly handling Boiler) or at least 3 years working experience as an Apprentice or Journeyman Fitter in a Steam Plant or Engineering Workshop (indirectly handling of a Boiler)

## Course Structure

**Contact Days:**  
4 days

**Lecture Day:**  
Monday - Thursday

## INTRODUCTION

The FMM Certificate in Boilerman is specially developed to upgrade the Theoretical and Operational Skills of the current workforce in handling Steam Boilers in various sectors. Conducted in Bahasa Malaysia, the Certificate programme will provide the knowledge to upgrade the skills of Boiler Supervisors, Operators, Assistants and Apprentice on matters relating to Operations, Mounting and Fittings, Inspections and Maintenance of Boilers at the workplace

## COURSE CONTENTS

Acts and Regulations Related to Boilers

- Factory and Machinery Act, 1967 (Act 139)
- OSH Act, 1994 (Act 514)

Types of Steam Boilers

- Fire and Water-Tube Boilers

Boiler Operations -Theory

- Start-Up, Shut-Down and Blow-Down Procedures

Essential Fitting and Mountings

- Various Essential Fittings and Mountings
- Functions of Each Essential Fittings/Mounting

Preparation for Mandatory Inspection

- Preparation and Assistance for Inspection

Types of Test Related to Boilers

- Hydrostatic Test, Steam Test and NDT, etc.

Boiler Maintenance

- Preventive Maintenance - Fire and Water sides, Fittings and Accessories

Boiler House/Room Requirements

- Log Sheets, Log Books, Responsibilities of Boilerman

Construction of Boilers

- Methods of Joints i.e. Welded
- Welding of Shell and Drums, Tube Plate to Shell, Tubes to Tube Plate and Fuel Gas Path

Water Treatment

- Internal and External Treatment and Various Test

Boiler Commissioning

Boiler Accessories

- Functions of the VariousBoiler Accessories

Oral Revision





# REGISTRATION FORM

## FMM CERTIFICATE IN BOILERMAN

**Date: November 11-14, 2024**  
**Time: 9.00 am - 5.00 pm**

**Venue: FMM Sabah Branch, No. 143, Block Q,  
Lorong Plaza Permai 1, Alamesra Plaza  
Permai, 88400 Kota Kinabalu, Sabah**

Please register the following participant for the above program:  
(To be completed in BLOCK LETTERS)

Please tick accordingly:

Fees:  FMM Member: RM2,160.00per pax

Non Member: RM2,700.00 per pax

*(Fees is inclusive of 8% Service Tax, Certificates, training notes & refreshments)*

1. Name	Designation	Email
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Nationality	NRIC	Mobile No.
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2. Name	Designation	Email
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Nationality	NRIC	Mobile No.
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3. Name	Designation	Email
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Nationality	NRIC	Mobile No.
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**We hereby confirmed that (please tick accordingly):**

We will be claiming under SBL-KHAS Scheme and full payment would made to FMM Institute in the event that no disbursement from HRD Corp under any circumstances.

We will NOT BE CLAIMING under SBL-Khas Scheme. Payment will be made to account payee FMM Institute by cheque or bank transfer to Maybank Account No. 5 100 1303 8421

Submitted by:

Name	Designation	Email
-----	-----	-----
Tel	Fax	Mobile No.
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Company	Date	
-----	-----	
Address		
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Company Stamp & Signature		
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### Terms and Conditions

- Registration is on a first-come first-served basis.
- All cancellations must be made in writing.
- Cancellation received 7 – 14 working days before the start of the class is subject to a cancellation fee of 50% of the training fees.
- Cancellation received 6 working days and below before the start of the class is subject to a cancellation fee of 100% of the training fees.
- If the participant **fails to attend** the programme or **less than 75% attendance**, the **full training fees are payable**. However, replacement can be accepted at no additional cost.
- The FMM Institute reserves the right to change the speaker, reschedule or cancel the programmes and all efforts will be taken to inform participants of the changes.