



# FMM INSTITUTE (Centre for Professional Development)

Wisma FMM, No. 3, Persiaran Dagang, PJU 9, Bandar Sri Damansara, 52200 Kuala Lumpur  
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## FMM Certificate in Boilerman

SBL SCHEME

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 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 boilers towards better work performance
- Create opportunities for career advancement
- Prepare participants to sit for the Boilerman Examinations conducted by Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP/DOSH)

### WHO SHOULD ATTEND

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 Boiler)

### ENTRY REQUIREMENTS

- 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

Number of Contact Days : 4 days  
Lecture Days : Saturday & Sunday

### ADMINISTRATIVE DETAILS

Date : January 14, 15, 21 & 22, 2017  
Time : 9.00 am – 5.00 pm  
Venue : **FMM Institute**  
2<sup>nd</sup> Floor, Wisma FMM  
No.3, Persiaran Dagang, PJU 9  
Bandar Sri Damansara  
52200 Kuala Lumpur  
Fees : Member **RM 1,696.00** per pax  
(inclusive of GST)  
Non-Member **RM 2,014.00** per pax  
(inclusive of GST)  
*(Refreshment and lunch will be provided)*

*Completed registration form, faxed, mailed or e-mailed to FMM Institute would be deemed as confirmed. There will be no refund or cancellation within 0-6 days prior to the programme, 50 % refund for cancellation between 7-13 days and full refund for cancellation 14 days prior to the programme. However, replacement can be accepted at no additional cost. The FMM Institute reserves the right to cancel or re-schedule the above programme and all efforts will be taken to inform participants of the changes.*



## FMM Certificate in Boilerman

### COURSE CONTENTS

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- ❖ 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 Various Boiler Accessories
- ❖ Oral Revision



**REGISTRATION FORM**

**FMM Certificate in Boilerman**

**Saturday & Sunday, Date: January 14, 15, 21 & 22, 2017**

**Venue: FMM Institute, Kuala Lumpur**

(To be completed in BLOCK LETTERS)

**A. PERSONAL PARTICULARS**

Full Name (Mr/Ms) : \_\_\_\_\_ NRIC No. \_\_\_\_\_

Designation : \_\_\_\_\_ Name of Company : \_\_\_\_\_

Permanent Address : \_\_\_\_\_

Correspondence Address : \_\_\_\_\_

(if different from permanent address)

Tel No. (H) : \_\_\_\_\_ (O) : \_\_\_\_\_ Fax No. : \_\_\_\_\_

E-mail Address : \_\_\_\_\_ H/P No: \_\_\_\_\_

Date of Birth : \_\_\_\_\_ Sex : \_\_\_\_\_ Age : \_\_\_\_\_ Nationality : \_\_\_\_\_ Race : \_\_\_\_\_

**B. EDUCATIONAL BACKGROUND**

Name of School / Institution	Years Attended	Highest
	From To	Qualification Obtained

Secondary : \_\_\_\_\_

College / University : \_\_\_\_\_

Any Special Professional Course : \_\_\_\_\_

**C. SPONSORSHIP**

Company Sponsored       Self Sponsored      Please Tick (√)

**D. SUBMITTED BY** (To be filled if sponsored by company)

SBL       Non Contributor      Please Tick (√)

Name : \_\_\_\_\_ Designation : \_\_\_\_\_

Company Name: \_\_\_\_\_

Company Address : \_\_\_\_\_

Tel No. : \_\_\_\_\_ Fax No. : \_\_\_\_\_ E-mail Address : \_\_\_\_\_

FMM Membership No: \_\_\_\_\_ My Corporate Identity No : \_\_\_\_\_ GST Registration No: \_\_\_\_\_

**E. DECLARATION**

**I hereby declare that the information provided is correct and complete.**

Signature of Participant: \_\_\_\_\_ Date: \_\_\_\_\_

**Payment Advice:**

Enclosed cheque/bank draft No. \_\_\_\_\_ for RM \_\_\_\_\_ being payment for \_\_\_\_\_ participant(s) made in favour of "FMM Institute".

**Please fax or mail the registration form to :**

Puan Nora Liza / Puan Norsyamira      Tel : 03-62867200      Fax : 03-62776712  
Wisma FMM, No 3, Persiaran Dagang, PJU 9, Bandar Sri Damansara, 52200 Kuala Lumpur.  
E-mail : [nora@fmm.org.my](mailto:nora@fmm.org.my) / [norsyamira@fmm.org.my](mailto:norsyamira@fmm.org.my)      Website : [www.fmm.edu.my](http://www.fmm.edu.my)