



INDEPENDENT STEAM & BOILER TRAINING



Welcome to M&M Training Services Ltd.



"We are committed to offering a **professional training service**, that is current and up to date with all Legislation, Guidelines, and best working practices.

Having over **35 years of experience**, our trainers have the skills and knowledge to deliver our courses in our purpose built training room, online, or on the clients site.

M&M Training also provide Technical Boiler House Risk Assessments - helping you to take the necessary steps, to keep all personnel and property safe."

Mr. Paul Bough IEng MIET
Managing Director

The Importance of Training

Whether the training is for yourself or your employees; having correctly trained staff is essential. Not only it is the law, it can also improve plant safety and it can also save vast amounts of money.

M&M Training addresses the need for training and ensures all attendees leave better equipped for their job.



What our customers have to say...

"Superb organisation! From the booking, through to the warm welcome, refreshments and lunch. The venue and facilities were also superb."

Johnsons Workwear

"The practical parts of the courses has given our employee's an insight to 'behind the scenes'. They now fully understand the mechanics of our system."

Anglian Water

"The course content was excellent. The things covered have had an immediate positive impact and have highlighted some issues with traps etc that we will be rectifying asap."

Uni of Cambridge

Introduction of Virtual Courses

2020 has seen the introduction of various government guidelines designed to keep us safe. Therefore, M&M Training have developed the ability for you to attend our training courses virtually. Having successfully hosted the UK's first Virtual BOAS (CAT 2), we are now able to offer all our accredited courses virtually.

Our virtual courses are designed to recreate a classroom experience, enabling full interaction with the tutor and classmates - all from the comfort of your own home/workplace.

Benefits

- Safe
- Convenient
- Time Efficient
- Cost Effective

Providing you have a reliable internet connection, laptop, webcam and microphone, attending our virtual courses could not be simpler.

In these uncertain times; client, customer and plant safety is paramount. Therefore, having the correct training in place allows your workplace to operate more safely and efficiently.



Training Centre



Despite the restrictions placed on us all, we have implemented various pre-emptive measures within the specialist training facility, such as:

- Reduced Classroom Numbers
- Perspex Dividers
- One Way Systems
- Sanitisation Stations

These measures ensure we can protect our customers and staff.

Accredited Courses

Steam Utilisation

Who Should Attend?

This course is intended for all personnel that are involved with the steam plant. Also, for those who are responsible – or may become involved with the installation/ maintenance of steam equipment.

We recommend this course is taken in conjunction with our Boiler House Course.

Aims

To ensure that all personnel involved with steam equipment understand the principles of steam and are able to recognise how steam equipment should be sized, installed and checked to give maximum efficiency and safety. Delegates are given the opportunity to take a certified examination which is a recognised qualification valid for 5 years.

Course Content

- The basic principles of steam
- Health and Safety Regulations
- Pressure Systems Safety Regulations (PSSR)
- Steam trap operation and types
- Installation and sizing of steam and condensate mains
- Operation of pressure reducing valves
- Maintenance safety procedures
- Practical demonstration of trap types and checking
- Basic principles of good working practice

Boiler House

Who Should Attend?

Our Boiler House course is intended for all personnel involved with the operation and management of steam boiler plant.

We recommend this course is taken alongside our Steam Utilisation Course.

Aims

To provide a detailed understanding of the operation of steam boiler(s) and to ensure operators are aware of the mandatory requirements and safety procedures surrounding the operation of a boiler. Delegates are then given the opportunity to take a certified examination, which is a recognised qualification valid for 5 years.

Course Content

- The basic make-up of the steam boilers
- Operation of gas and oil burners
- Water treatment
- Boiler operation
- Prevailing Boiler Guidelines
- Boiler log
- TDS and blowdown operation
- Safe isolation of the boiler
- Statutory Inspections and Examinations
- Fault finding

Water Treatment

Who Should Attend?

Our Water Treatment course is intended for operators of industrial steam boilers and plant managers who wish to understand the importance of water quality for their boiler.

This course is typically taken with our SU and BH.

Aims

Upon completion, this course will enable the delegates to undertake the most important/regular tests on their industrial steam boiler. Complete with practical demonstrations, the delegate will be able to optimise their boiler plant water treatment, improving safety, efficiency and steam quality.

Course Content

- Reasons for water treatment
- What is water?
- How does water become contaminated?
- Distribution of water on Earth
- Hardness of water in the UK
- Pre-treatment of steam boilers
- Effects of scale
- Water treatment methods
- TDS Systems
- Safety and Legal Requirements
- Guidelines

Boiler Operation Accreditation Scheme (BOAS)

Category 2 - Shell & Tube Steam Boilers

2020 has seen M&M Training successfully host the first virtual BOAS and facilitate the 5000th BOAS applicant.



Additionally, it has also seen Director & Trainer; Mr. Leigh Ridlington become an approved BOAS Trainer.

Who Should Attend?

The BOAS course is an advanced course and is intended for boiler operators, managers and supervisors with a minimum of 6 months hands-on experience, or 100 boiler operating hours (for which evidence must be provided).

This syllabus is applicable to Operators and Managers with responsibility for horizontal multi-tubular shell boilers which are directly fired, waste heat boilers and combination boilers (direct fired boilers with a waste heat section).

Aims

To provide a thorough and complete understanding, and training in preparation for the BOAS qualification, whilst promoting safety and energy efficiency in the boiler house - with due regard for environmental aspects and legal requirements.

BOAS trained staff can ensure the boiler plant runs at its optimum efficiency. Correct training can potentially save thousands of pounds in fuel costs, chemicals and equipment used and reduce repairs. The BOAS qualification is the only qualification which can prove competence upon completion.

Content

- Safety & Legal Requirements
- Basic Heat and Heat Transfer
- Feed Water and Boiler Water Analysis
- Draught and Combustion
- Energy Efficiency
- Environment
- Fuel Concepts
- Boilers and Auxiliaries
- Operation
- Control and Instrumentation



Other Categories

Cat 1 – Hot Water Boilers

Cat 3 – Water Tube Boilers

Cat 5 – Coil Steam Generators

Technical Boiler House Risk Assessment

A suitable and sufficient Technical Boiler House Risk Assessment is a legal requirement under The Management of Health and Safety at Work Regulations 1999 (MHSWR), Section Three.

A Technical Boiler House Risk Assessment is an example of the type of record that should be kept and made available for scrutiny under The Pressure Systems Safety Regulations 2000 (PSSR), Regulation Fourteen, and is further recommended within BG01 Guidelines and The Health and Safety Publication INDG436.

What We Offer

Not just an Operational Task Risk Assessment, the Technical Boiler House Risk Assessment assesses the entire Boiler House; including things such as:

- The Steam Boiler(s) and Boiler Controls
- The Blowdown Vessel and Boiler Blowdowns
- The Water Treatment Plant and Associated Feedwater System
- The Feed Water Tank (Hotwell)
- The Primary Steam Header and Distribution System exiting the Boiler House

Within our detailed Technical Boiler House Risk Assessment; we consider issues such as, although not limited to:

- The likelihood and severity of potential injuries
- The location and layout of the boiler room
- Operational risks
- Manning levels
- Additional controls for remote and/or unmanned boiler operation
- Conformance with current Guidelines and Regulations
- Achievable efficiency gains
- Documentation available concerning steam raising plant and equipment



M&M Training offer an independent risk assessment of your Boiler House, carried out by professional engineers who provide you with a written report. Should there be any issues, these will be identified within the report by the use of a simple **traffic light system**.

The report will also recommend any necessary control measures needed, and the reduced level of risk shown within the traffic light system. We are then able to offer our services to help you take the necessary steps, to keep all personnel and the surrounding property safe.

M&M Training Services Ltd.

Fletcher House, Unit 3, Marlborough Drive, Fleckney, Leicester, Leicestershire, LE8 8UR
 mmtraining@flomar.co.uk +44(0)116 240 3430 www.flomar.co.uk

In addition to our aforementioned courses/services, M&M can offer a more tailored option for you and your company. Listed below is a list of other courses/services we provide. Should you require any further information regarding these - please contact us.

Competency Checks

Whilst a number of our courses are certified/ accredited, they do not provide proof of competency. Competence can only be proven by:

- Education
- Certification
- Experience

Therefore, we recommend an additional service in which we can conduct competency checks on delegates. This involves our trainers attending site, reviewing operational procedures, assessing the delegates ability and evidence of their/your experience. Similar to the BOAS pre-requisite, experience can be proven by providing evidence of either 6 months or 100+ hours of work.

Service	Price (per day)
Competency Checks	£2,140.00

Typically, we can assess a maximum of 5 delegates in a working day.



Services

- Operating Procedure Writing
- Water Treatment Risk Assessment
- Steam & Condensate Audits
- Training & Qualification Reviews/ Analysis
- Assessing Potential Employees
- Production of Safe Systems of Work and Site Standards

Accredited Courses

- BOAS Cat 1, 2, 3 & 5
- Steam Plant & Maintenance
- Steam Utilisation
- Boiler House
- 1 Day Water Treatment
- 2 Day Water Treatment
- Steam Design
- Hazardous Fluids

Development Courses

- Steam Awareness
- Boiler House Awareness
- Steam Trap Training
- Control Valves
- De-superheaters
- Corrugator & Laundry
- Technical Boiler House Risk Assessment Training
- Legionella Awareness
- Abrasive Wheels

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PRICE LIST

(excl. VAT)

Service	Price
Technical Boiler House Risk Assessment (TBHRA)	£4,250.00 + expenses

Virtual (Online) Courses

Course Title	Duration	Price (per person)	5 Year Accreditation (Optional) + £100.00
Steam Utilisation (SU)	1-Day	£275.00	✓
Boiler House (BH)	1-Day	£275.00	✓
Water Treatment (WT)	1-Day	£275.00	✓
SU BH - Refresher	1-Day	£275.00	✓
BOAS (Cat 2)	3-Day	Contact Us	
BOAS (Cat 2) - Refresher	1-Day	Contact Us	





















In-House Courses



Course Title	Duration	Price (per person)	5 Year Accreditation (Optional) + £100.00
Steam Utilisation (SU)	1-Day	£325.00	✓
Boiler House (BH)	1-Day	£325.00	✓
Water Treatment (WT)	1-Day	£325.00	✓
Steam Plant & Maintenance	1-Day	£325.00	✓
Steam Boiler Water Treatment (CEA)	2-Day	£650.00	✓
Steam Design	2-Day	£650.00	✓
Hazardous Fluids	1-Day	£325.00	✓
Steam & Boiler House Awareness	1 Day	£325.00	X
Pressure System Awareness	1-Day	£325.00	X
BHRA Training	1 Day	£325.00	X
BOAS (Cat 1, 2, 3 & 5)	Contact Us		
BOAS (Refresher)	Contact Us		

On-Site Courses

All of our bespoke training courses can be undertaken at our customers facilities. Please get in touch to find out more.

Prices shown were accurate at time of publishing, although are subject to change. Therefore, please contact us to confirm pricing is valid.

		Steam Utilisation	Boiler House	Water Treatment	SU BH Refresher	BOAS (Cat 2)	BOAS (Cat 2) Refresher
Jan		Tue: 19th Tue: 26th	Wed: 20th Wed: 27th	Thu: 21st	Wed: 13th		
Feb		Tue: 16th	Wed: 17th	Thu: 18th		9th—11th	Wed: 24th
Mar		Tue: 23rd	Wed: 24th	Thu: 25th	Thu: 4th	8th—11th	
Apr		Tue: 13th Tue: 27th	Wed: 14th Wed: 28th	Thu: 15th Thu: 29th	Thu: 08th	20th—22nd	Tue: 06th
May					Wed: 26th	10th—13th	4th—5th
		Tue: 18th	Wed: 19th	Thu: 20th			
Jun		Tue: 08th Tue: 29th	Wed: 09th Wed: 30th	Thu: 10th			
		Tue: 15th	Wed: 16th	Thu: 17th	Thu: 03rd	22nd—24th	Wed: 02nd
Jul		Tue: 13th	Wed: 14th	Thu: 01st	Thu: 29th	19th—22nd	6th—7th
		Tue: 27th	Wed: 28th				
Aug		Tue: 10th	Wed: 11th	Thu: 12th			
		Tue: 24th	Wed: 25th	Thu: 26th	Thu: 05th	17th—19th	Wed: 04th
Sep		Tue: 14th	Wed: 15th	Thu: 16th		6th—9th	28th—29th
		Tue: 21st	Wed: 22nd	Thu: 23rd			
Oct		Tue: 05th	Wed: 06th	Thu: 07th			
		Tue: 26th	Wed: 27th	Thu: 28th	Thu: 21st	12th—14th	Wed: 20th
Nov		Tue: 09th	Wed: 10th	Thu: 11th		15th—18th	2nd—3rd
		Tue: 23rd	Wed: 24th	Thu: 25th			
Dec		Tue: 07th	Wed: 08th	Thu: 09th	Tue: 14th		
					Thu: 02nd		Wed: 01st

Key		In-House
		Virtual

Dates are accurate upon time of publishing. However, due to the global situation they are **subject to change**. Therefore, please contact us prior to booking.

Due to current restrictions imposed on us all, we aim to re-open our training centre in March 2021. However, our virtual classrooms will remain open/ available.