



The Fire Service College

Incident Ground Venues





Incident Ground Venues

BA (Hot) and BA (Cold)

BA (Hot) - A three story, multiple compartment carbonaceous training building, including an internal staircase.

BC (Cold) – A large, multi-compartment non-carbonaceous venue. Incorporating raking ladders, confined space areas and tunnels, and restricted mobility operating areas. Suitable for PPE familiarisation and casualty rescue exercises. Safe access to the roof provides varied options for building access.

A main carbonaceous fire house that supports the development of effective communication between BA wearers in all environments. It also provides learners with an appreciation of the physical requirements of BA wearing.



Bunded Fire Trays and Live Fire Areas

The College has several bunded training areas, with dedicated drainage, suitable for experiential live fire (petrochemical or carbonaceous), chemical demonstrations and training.

These areas are suitable for the use of biodegradable foam, powder and/or water based techniques.



Commercial Building

The world's largest carbonaceous fire building, this facility extends over four levels and includes a basement. It contains multiple compartments, internal stair and an escalator. Used for a multitude of scenarios; warehouse, shopping arcade, hotel, office block, basement car fire, confined space training and restricted mobility training area.





Confined Space Rigs

The College has dedicated internal confined space training areas.

All built with a flexible design which enables configuration to meet specific learning requirements. Dust extraction and emergency exits provide increased learner safety.



Domestic Building

A four bedroom domestic property, including fixed domestic property features; a kitchen, bathroom etc.

A main carbonaceous fire house suitable for the delivery of structural firefighter and command training.



Drill Towers

The College has four drill towers with numerous tested anchor points, used for ladder drills, pump drills, hose management and safe working at height training.



Fire Behaviour Attack Units

The College has four fire behaviour attack units for demonstration and tuition.

The fire is allowed to develop to the state of an established compartment fire. Crews are supervised through the correct application of procedures covered in the demonstration unit. The attack unit provides an opportunity to practice safe door entry procedures and progression through the fire compartment.



Fire Behaviour Demonstration Units

The College has three fire behaviour demonstration units for demonstration and tuition.

The fire is allowed to develop to the state of an established compartment fire. Crews are supervised through the correct procedures of identifying external signs and symptoms, branch techniques and the use of a dynamic risk assessment, to support safe entry through the compartment. Students can observe fire growth and development from initial fire to flashover to fully developed fire.



Fire Investigation Units

The College has eight dedicated fire compartments for the creation of realistic fire investigation scenarios.

Training is delivered in conjunction with forensic investigators, police officers and specialist search operatives.



Industrial A

Industrial A is a five storey, carbonaceous fire building with both large and small internal compartments. It provides a variety of scenarios and training environments, including a ground floor car fire, but a key deliverable is high rise training, utilising both wet and dry risers. The venue has a pressurised stair case for tactical ventilation and safe entry when fighting high rise fires.

A main carbonaceous fire house, this venue has been used on numerous occasions by a range of organisations for search and recovery training.





Industrial B

A medium sized two storey industrial unit, with large, medium and small fire compartments. On the ground floor it has a catering and workshop scenarios enabling the use of compartment fuel fires and external entry basement. The unit enables the demonstration and practical application of both horizontal and vertical fire ventilation.

A main carbonaceous fire house, this venue has been used on numerous occasions by a range of organisations for search and recovery training.



LPG Fire Screen

The fire screen is part of the wider LPG training area, which includes several different scenarios. It allows firefighters to develop and practice the application of correct firefighting skills enabling them to safely advance and execute a valve shut down.

A bunded training area, with dedicated drainage, suitable for the use of biodegradable foam or water based techniques.



LPG Split Flange

The split flange is part of the wider LPG training area, which includes several different scenarios. It allows firefighters to develop and practice the application of correct firefighting skills which enable them to safely advance and execute a valve shut down.

A bunded training area, with dedicated drainage, suitable for the use of biodegradable foam or water based techniques.



Motorway

This eight carriage motorway, with Armco central reservation, is suitable for road traffic collision scenarios of all sizes.

Ditches along one side add increased scope for scenario creation. The motorway gantry provides opportunities for safe working at height training.



Main Drill Tower

An eight storey high rise building, the tower is non-carbonaceous but is suitable for smoke generation. Well suited for high rise training, but without dry risers, this is a key venue for teaching correct hose management techniques and tactical ventilation with its pressurised stair case.



Oil Rig

A multi-level fire scenario, suitable for LPG, fuel and carbonaceous fires, this is a steel scenario with multiple smaller compartments, corridors and stair wells. With a dedicated water supply, a higher water pressure is provided enabling use of numerous ground monitors and different firefighting media.

With internal stair wells and compartments, this venue is ideally placed for casualty search and recovery and communication exercises. A bunded training area, with dedicated drainage, suitable for the use of biodegradable foam or water based techniques.



Railway

The College has extensive rail rolling stock, split into three main scenarios.

- A Pendolino engine and rolling stock, with a railway crossing.
- An electrified train derailment.
- A range of industrial rolling stock, generally used for hazardous material transport incidents.





Reservoir B

A secure reservoir with steel staging and wharf. Used for pumping from open water. Specifically used for High Volume Pump training and still water rescue.



RTC Hub

A purpose built arena where learners can practice their skills on modern, authentic, collision-damaged vehicles.

The hub is supported by Clan Tools & Plant Ltd, Holmatro and WeberRescue UK. All three companies have supplied the RTC Hub with state-of-the-art vehicle cutting and extrication equipment to support our RTC courses.



Simulation Suite

Our state-of-the-art Simulation Suite has been designed specifically to meet all current and future Incident Command training requirements, with the capability to deliver across all operational levels.



Static Tank

The static tank is part of the wider LPG training area, which includes several different scenarios. It allows firefighters to develop and practice the application of correct firefighting skills which enable them to safely advance and extinguish the fire. This venue enables the application of cooling techniques.

A bunded training area, with dedicated drainage, suitable for the use of biodegradable foam or water based techniques.



Transformer House

This is a small electrical substation which is not live and suitable for smoke generation only.

This scenario is a simple one, but one that challenges information collation and correct decision making.



Urban Search and Rescue (USAR) Area

The USAR area has a large range of scenarios and venues suitable for both specialist and generalist training.

The lifting and moving areas are applicable to learners understanding the basic principles of stabilisation and movement, or the detailed use of specialist USAR equipment. There are also specialist venues such as the chainsaw rig, live rubble and log piles.



Window Compartments

The College has two traditional window compartments for demonstration and tuition.

The compartments allow for the practical demonstration of fire development from initial fire through full compartment involvements. Once closed the compartments enable the demonstration of signs and symptoms of potential of backdraught conditions, prior to compartment ventilation. This facility enables the practical demonstration of aspects such as positive and negative pressures within a compartment, pyrolysis of combustible materials etc.





Rig 5 and Rubble Pile

A large training venue incorporating several different scenarios:

- Collapsed structure, with destabilised floors and walls.
- Access points for Safe Working at Height and Casualty Extrication training.
- A large tunnel complex for confined space operation and casualty search and rescue operations.

The opportunities are almost endless. The venue has managed use of smoke and noise, and is fully CCTV monitored, enabling safe operation without close supervision. Previous exercises and operations include; IED response, shoring, breaking and breaching activities, multi-method search operations (dogs and combined technology), lifting and moving, casualty triage and trauma care, casualty rescue, rope rescue, and use of the full USAR equipment capability.



Ship, Dock and Lagoon

The largest carbonaceous maritime training vessel in the world with numerous fire compartments of different levels and a complex layout providing the most challenging of operating environments. This facility enables the use of a dry riser and external stair procedures. The lagoon provides a static water rescue facility. The dockside warehouse also includes the BA entanglement training facility.

A main carbonaceous fire house, this venue has been used by the military for ship boarding procedures and urban climbing training.







The Fire Service College

London Road
Moreton-in-Marsh
Gloucestershire
GL56 0RH
United Kingdom

t: + 44(0)1608 812984

e: sales@fireservicecollege.ac.uk

www.fireservicecollege.ac.uk

