BLACK MOUNTAIN
FIRE GROUP

ENGINEERING | PROTECTION | COMPLIANCE

FIRE ENGINEERING & FIRE RISK MANAGEMENT

Independent expertise. Proportionate solutions. Safer buildings.



COMPANY CREDENTIALS 2026

CROSS HANDS · LLANELLI · WALES

BAFE SP205 REGISTERED | NFRAR ADVANCED | LABC PARTNER AUTHORITY



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01 · WHO WE ARE

FIRE SAFETY, ENGINEERED AROUND YOUR BUILDING

Independent fire engineers and fire risk consultants, based in Cross Hands, Llanelli, and working across Wales and the UK.

Black Mountain Fire Group provides fire engineering, fire strategies, fire risk assessment and external wall appraisal. Incorporated in 2022, we work with building owners, housing associations, designers, developers and productions.

Our team is led by a former fire safety enforcement officer, so our assessments and strategies reflect the way the fire service will look at your building.

We are fully independent and take no referral fees from contractors. Alongside the consultancy, our installation team fits sprinkler and Plumis Automist watermist systems.

BAFE SP205

Registered Organisation 303592

Fire risk assessments third-party certified under a UKAS-accredited scheme.

NFRAR

Advanced level

Our assessors are on the National Fire Risk Assessor Register.

LABC

Partner Authority Scheme

A consistent, recognised route through building control.

01	02	03	04	05	06
UNDERSTAND	ASSESS	ENGINEER	PRIORITISE	REPORT	SUPPORT



HISTORIC RESTORATION



NEW BUILD

ACCREDITATIONS & MEMBERSHIPS

INDEPENDENTLY VERIFIED

Fire safety law expects the person assessing your building to be competent. Our certifications and memberships let you show that they are.

20 yrs
IN FIRE SAFETY

15 yrs
FIRE & RESCUE SERVICE

1st
CLASS BENG FIRE RISK ENGINEERING

2022
INCORPORATED IN WALES

BAFE FIRE SAFETY REGISTER REGISTERED ORGANISATION ID: 303592

NFRAR ADVANCED LEVEL 2158

LABC Registered Partner Authority Scheme

IFE The Institution of Fire Engineers

The Institute of Fire Safety Managers IFSM Member

IFPO ENITI AD DEFENDERE

Third-party certified

BAFE SP205 certification means our fire risk assessment process is audited by a UKAS-accredited certification body, not just self-declared.

Professionally qualified

Members of the Institution of Fire Engineers and the Institute of Fire Safety Managers, with a First Class degree in fire risk engineering.

Building control partner

Registered on the LABC Partner Authority Scheme, giving design teams a consistent route through building control.



02 · LEADERSHIP

GERAINT MORGAN

CEO & FOUNDER

BEng (Hons) First Class · MIFireE · MIFSM · AMIFPO · NFRAR

20	15	5
YEARS IN FIRE SAFETY	YEARS FIRE & RESCUE	YEARS ENFORCEMENT

Firefighter, enforcer, installer and engineer. That is the view every client gets.

Geraint spent more than a decade with Mid & West Wales Fire and Rescue Service after starting his career with Leicestershire Fire and Rescue Service. As a Fire Safety Enforcement Officer he audited premises as an authorised inspector and took enforcement action including prohibition and prosecution. In the Building Regulations team he reviewed fire safety proposals under statutory consultation.

Black Mountain Fire Ltd was incorporated in 2022. Geraint graduated with a First Class BEng (Hons) in Fire Risk Engineering from Glasgow Caledonian University in 2024, and is now completing an MSc in Fire Safety Engineering at the University of Lancashire (formerly UCLan).

He is a Validator for BAFE SP205, works alongside special effects and stunt teams in film and television, and uses performance-based design to find safe alternative solutions where standard guidance does not fit.

02 · CAREER & CREDENTIALS

TWENTY YEARS, EVERY SIDE OF FIRE SAFETY

2022 – NOW

CEO & Founder

Black Mountain Fire Group

Fire engineering, fire strategies, fire risk assessment, external wall appraisal, film & TV fire safety, and sprinkler and Automist installation.

2022 – 2023

Building Regulations Fire Safety Officer

Mid & West Wales Fire and Rescue Service

Reviewed fire safety proposals under statutory building regulations consultation, and inspected premises under the Fire Safety Order.

2018 – 2022

Fire Safety Enforcement Officer

Mid & West Wales Fire and Rescue Service

Audits as an authorised inspector; enforcement including prohibition and prosecution. Historic buildings, care homes, hotels, offices, shops and industrial premises.

2010 – 2018

Operational Junior Officer & Firefighter

Mid & West Wales Fire and Rescue Service

Incident command at supervisory manager level, watch management and community risk reduction.

2013 – 2018

Company Director

FPT Fire Protection · MGM Electrical

NICEIC Approved Contractor. Design, installation, commissioning and maintenance of fire alarm and residential sprinkler systems.

2006 – 2008

Firefighter

Leicestershire Fire and Rescue Service

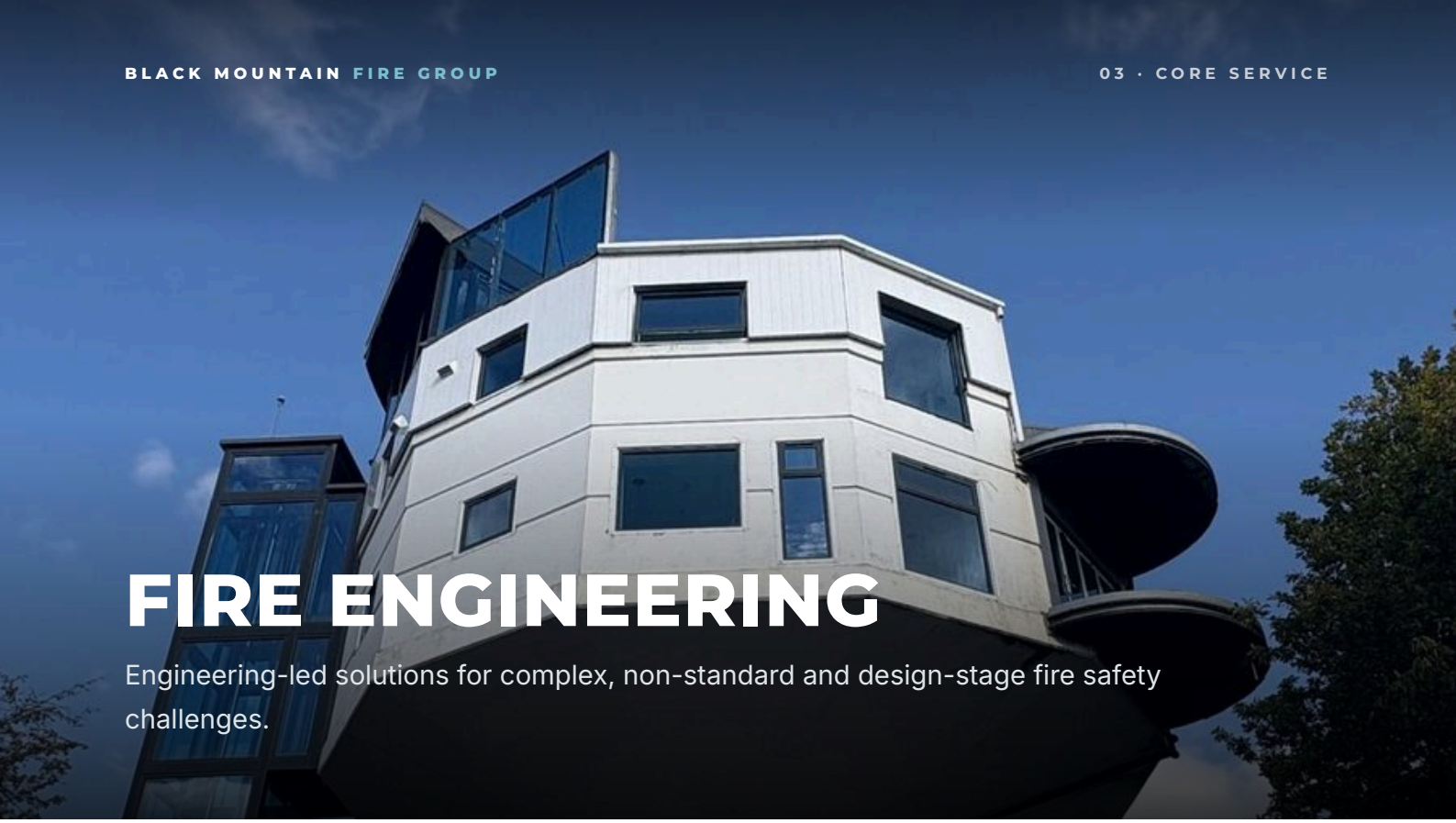
Operational response and community fire safety education.

Education

- BEng (Hons) Fire Risk Engineering, First Class, Glasgow Caledonian University, 2024
- MSc Fire Safety Engineering, University of Lancashire (formerly UCLan; in progress)
- SFJ Level 4 Diploma in Fire Safety
- SFJ Level 4 Certificate in Fire Safety (Fire Auditors)
- RICS Level 6 External Wall Assessment training

Memberships & registrations

- MIFireE: Member, Institution of Fire Engineers
- MIFSM: Member, Institute of Fire Safety Managers
- AMIFPO: Associate Member, Institute of Fire Prevention Officers
- NFRAR: National Fire Risk Assessor Register, Advanced
- BAFE SP205 Validator
- NICEIC Approved Contractor, competent person and qualified supervisor

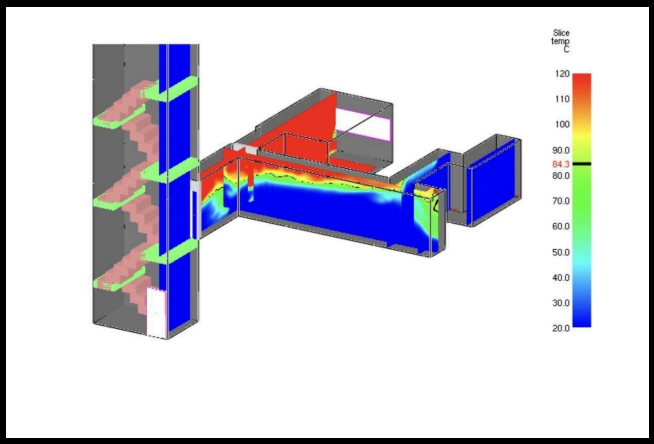


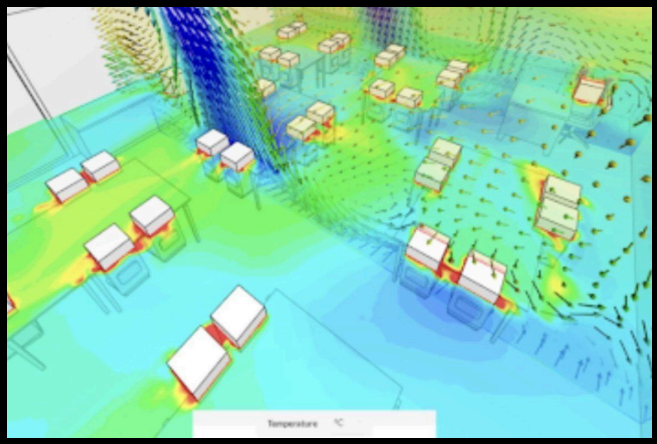
FIRE ENGINEERING

Engineering-led solutions for complex, non-standard and design-stage fire safety challenges.

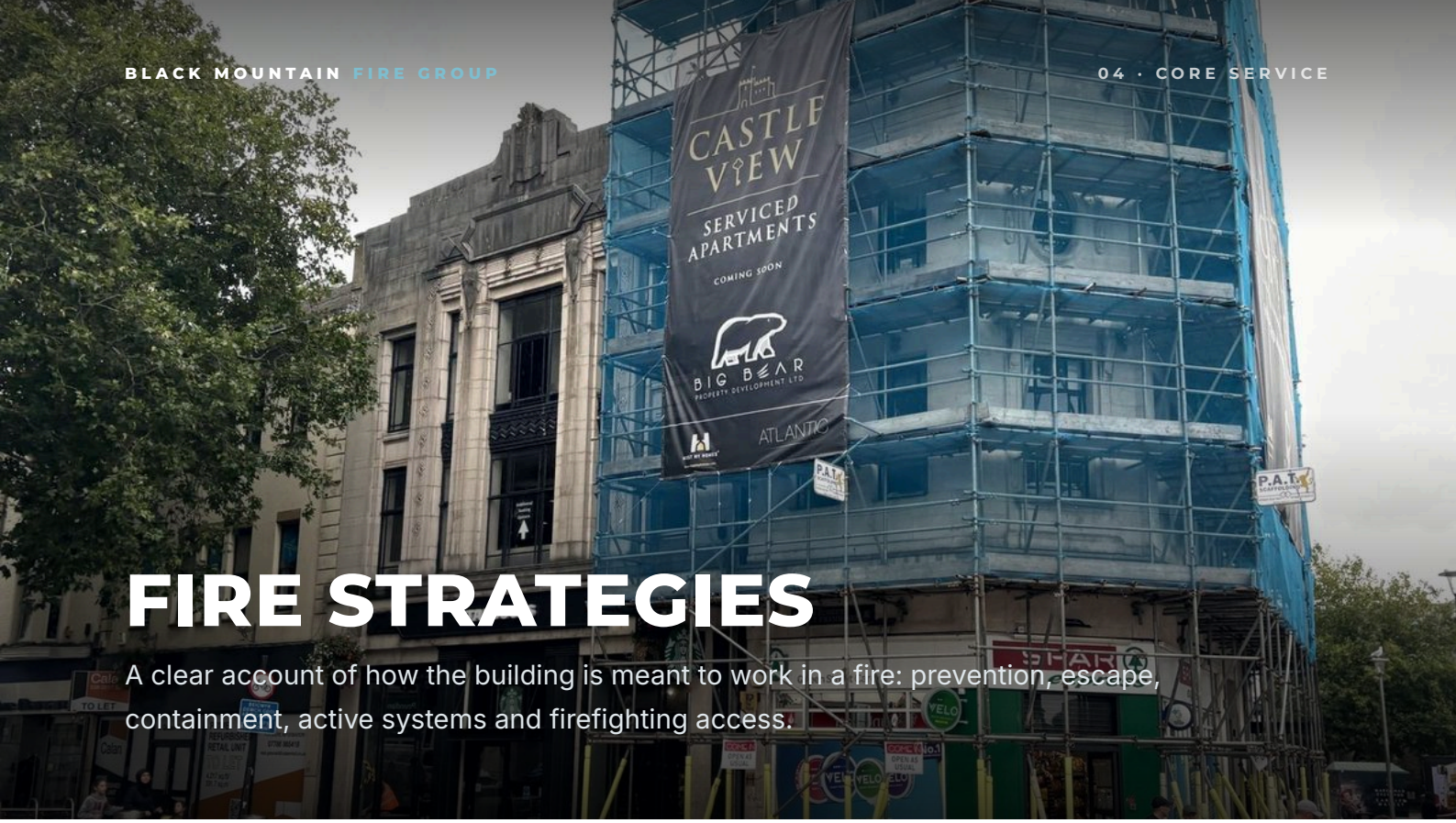
- Performance-based fire engineering design to BS 7974
- Means of escape analysis and occupancy calculations
- Compartmentation, passive and active fire protection
- Fire detection, warning and smoke control
- Firefighting access and facilities
- CFD smoke and evacuation modelling
- Design-team coordination through the RIBA stages
- Building control submissions and fire authority queries
- Regulation 38 fire safety information at handover

COMPUTATIONAL FLUID DYNAMICS





We model how smoke and heat move through a building, so solutions are proven rather than assumed. Left: smoke temperature in a corridor and protected stair. Right: airflow in an occupied room.



FIRE STRATEGIES

A clear account of how the building is meant to work in a fire: prevention, escape, containment, active systems and firefighting access.

01

Design-stage strategies

Fire strategy reports for building control on new buildings, extensions and changes of use.

02

Retrospective strategies

For existing buildings, built on intrusive survey findings so they reflect the building as built.

03

Gap analysis

Against Approved Document B and BS 9991, with compensatory measures and a prioritised remediation plan.

04

Evacuation strategy

Simultaneous, phased, progressive horizontal and stay-put, matched to the occupants.

05

Separation of uses

Residential above commercial, mixed-use and multi-occupancy buildings.

06

Coordination

With architects, engineers, contractors, building control and the fire service.


DESIGN STAGE



EXISTING BUILDING



FIRE RISK ASSESSMENT

Clear, proportionate and third-party certified under BAFE SP205.

1
INSPECT
The premises, people, activities and precautions.

2
ASSESS
Hazards, people at risk and existing controls.

3
PRIORITISE
What needs attention first, with timescales.

4
REPORT
Findings and actions in plain language.

5
SUPPORT
Help to carry the actions out.

TYPE 4 AND INTRUSIVE FRAS

Following the LGA guide to purpose-built blocks of flats, we open up walls, ceilings, risers and voids; check fire-stopping and deflection heads; inspect flat entrance and communal doors; and confirm separation between flats, common parts and commercial uses. Reports are photographic and plan-referenced, with a prioritised action plan.

RECOGNISED METHODS

- PAS 79-1:2020 and BS 9792:2025
- Assessor competence to BS 8674
- Structure, external walls and flat entrance doors under the Fire Safety Act 2021
- Compartmentation surveys and smoke testing
- Occupancy and construction-phase FRAs









HERITAGE & LISTED BUILDINGS

Protecting people while respecting the past.

Historic buildings need a different approach. Traditional construction, protected fabric, unusual layouts and limits on alteration can make standard solutions unsuitable.

We establish what is really there, often by directing careful opening-up works, then retrofit fire safety in a way that weighs life safety against the significance of the building, working with architects, conservation officers, building control and the fire and rescue service.

CURRENTLY APPOINTED

St Davids Cathedral

Caldey Island Abbey

Abermad Mansion · Grade II*

Glansevin Mansion

National Trust properties





07 · SPECIALIST CAPABILITY

EXTERNAL WALLS

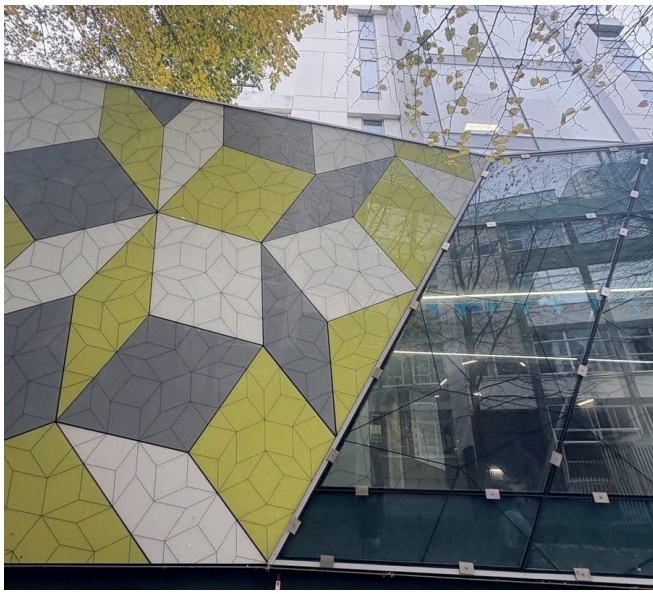
PAS 9980 appraisals and EWS1, proportionate to the building, the wall system and the reason the appraisal is needed.

- Documentation review
- Site inspection and external wall appraisal
- Materials, cavity barriers and fixings
- Fire risk appraisal of external walls (FRAEW) to PAS 9980:2022
- Part B4 assessments of proposed wall and cladding systems
- EWS1 support where appropriate
- Clear reporting for building safety, valuation and lending decisions

New from 1 November 2026

The RICS standard for valuing flats in buildings with cladding now says an EWS1 form should only be requested where there is a clear reason. In some cases, a summary from a PAS 9980 appraisal that clearly states whether remedial works are needed can be relied on instead. An EWS1 is for valuation and lending only. It is not a fire safety certificate and does not replace a fire risk assessment.







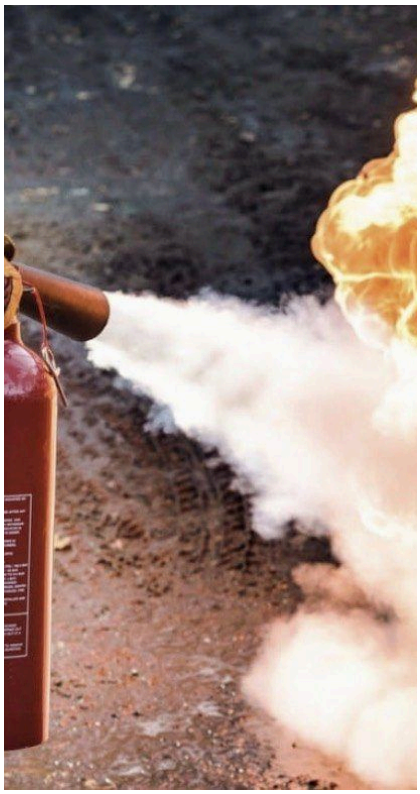


MORE WAYS WE HELP



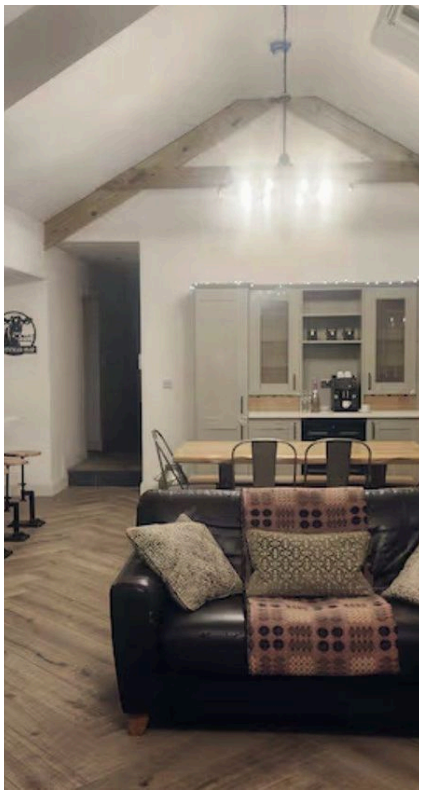
Fire Investigation

What happened, why, and what should change, drawing on operational and enforcement experience.



Fire Safety Training

Fire awareness, fire warden and hands-on extinguisher training, built around your building.



Sprinklers & Automist

Design, installation and servicing of sprinkler and Plumis Automist watermist systems.

CDM REGULATIONS 2015

We work alongside principal designers, health and safety professionals and contractors to manage fire risk from the design stage onwards, including construction-phase fire risk assessments.

08 · FILM & TELEVISION

ON SET AND ON LOCATION

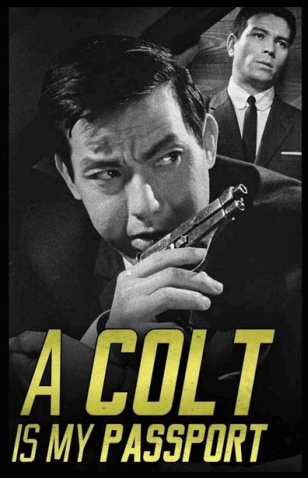
Working alongside special effects and stunt teams so creative work goes ahead safely, at Dragon Studios, Bad Wolf Studios and Seren Stiwdios, and on location across Wales.















Studio & set FRAs
Stages, sets and locations.

Escape planning
Layouts, routes and procedures.

Pyro & SFX
Pyrotechnics and special effects.

Crew training
On-site training for cast and crew.

09 · REGULATION UPDATE

WHAT CHANGED IN 2026

Fire safety rules keep moving. These are the changes our clients ask about most.

27.04
ROYAL ASSENT

BUILDING SAFETY (WALES) ACT 2026

A new building safety regime for multi-occupied residential buildings in Wales, whatever their height or tenure: registration of buildings 11 metres or five storeys and above; fire risk assessments only by competent persons, with criminal penalties for non-compliance; and clear legal duties for those who manage buildings. It is being brought into force in stages.

01.11
RICS STANDARD

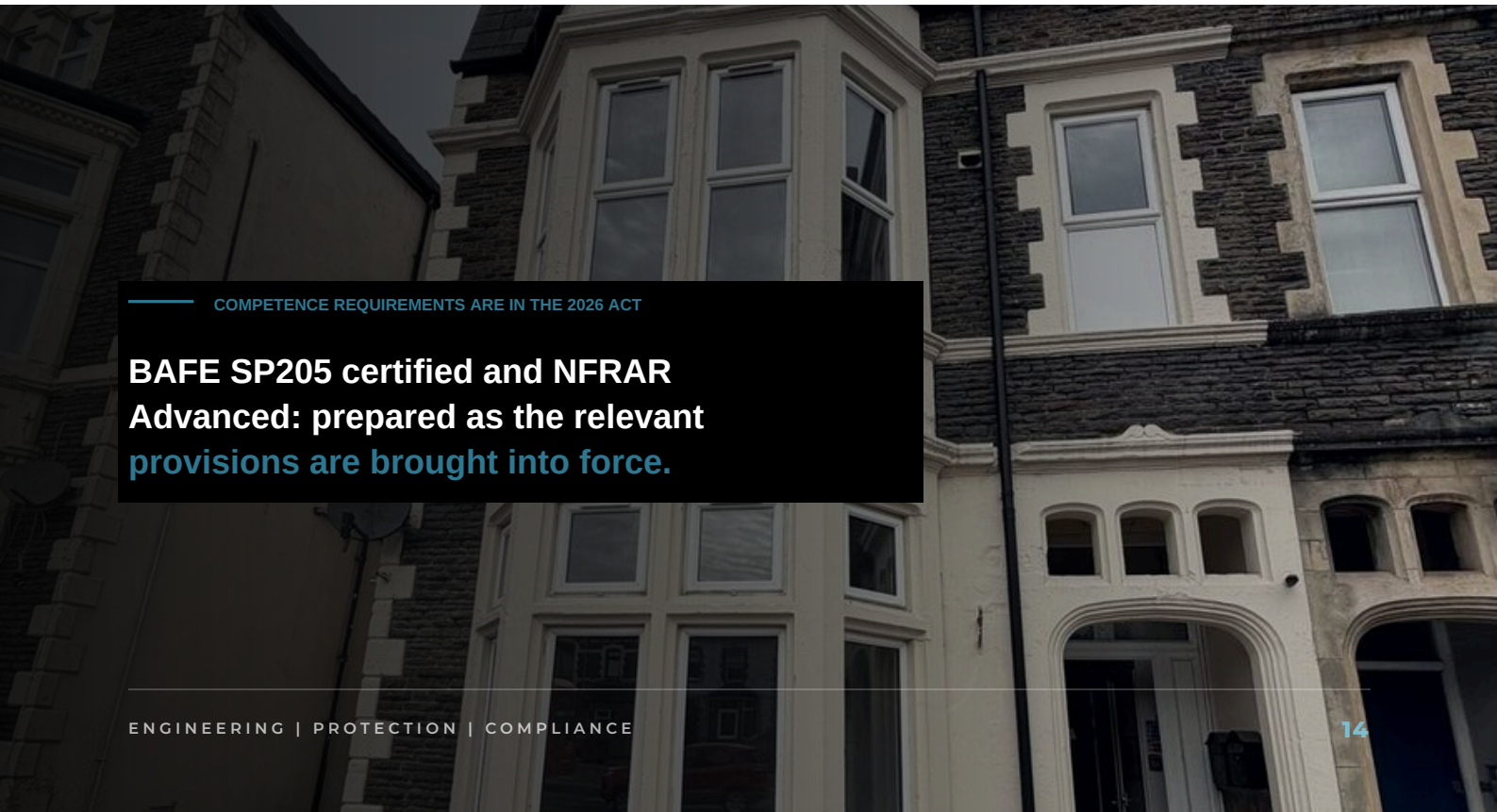
EWS1 AND EXTERNAL WALLS

From 1 November 2026, EWS1 requests are limited to cases with a clear reason, and a PAS 9980 appraisal summary can be used in some cases.

9792
BS 9792:2025

FIRE RISK ASSESSMENT OF HOUSING

BS 9792:2025 is now the standard for housing. We follow it alongside PAS 79-1:2020 for other premises.



COMPETENCE REQUIREMENTS ARE IN THE 2026 ACT

BAFE SP205 certified and NFRAR Advanced: prepared as the relevant provisions are brought into force.

10 · SELECTED PROJECTS

ST DAVIDS · PEMBROKESHIRE

ST DAVIDS CATHEDRAL

Fire risk assessment and fire safety advice for one of Wales's most significant historic buildings, including fire safety input to the current Quire works with the architect, the Cathedral and Mid & West Wales Fire and Rescue Service.



CALDEY ISLAND · PEMBROKESHIRE

CALDEY ISLAND ABBEY

Fire safety consultancy for the monastic community and its buildings, where distance from the mainland makes on-site precautions and management arrangements especially important.

LLANFARIAN · GRADE II* LISTED

ABERMAD MANSION

Fire strategy for the conversion of a Grade II* listed mansion into 11 homes, directing intrusive opening-up works to establish the existing compartmentation, with the architect, LABC, the conservation officer and the fire service.

HOSPITALITY · HERITAGE

GLANSEVIN MANSION

Fire safety consultancy for a historic country house used as a hotel, including the material change of use of parts of the building.

10 · SELECTED PROJECTS

HOUSING, INDUSTRY & PRODUCTION

HOUSING ASSOCIATION

HAFOD HOUSING

Fire engineering for a residential conversion above ground-floor commercial units: fire strategy, review of the intrusive compartmentation survey, a remediation schedule and tender scoping. Plus FRAs across Hafod properties.

SWANSEA · ABERYSTWYTH

MULTI-STOREY RESIDENTIAL

Retrospective and design fire strategies for existing blocks, including higher-risk residential buildings, and material changes of use.

PHARMACEUTICAL MANUFACTURING

NORGINE

Fire safety consultancy for a pharmaceutical manufacturing site in a complex, high-hazard industrial environment.

HEALTHCARE · CONSTRUCTION

VELINDRE CANCER HOSPITAL

Construction-phase fire risk assessment on the new hospital, one of a number of live construction sites we support.

BRIDGEND · FILM & TV

DRAGON STUDIOS & Y LLAIS

Fire risk assessments for studio stages and productions, with fire safety planning and escape route planning for Y Llais.

SWANSEA · HERITAGE REGENERATION

PENDERYN DISTILLERY

Fire safety input to the distillery at the historic Hafod-Morfa Copperworks.

LONDON · RESIDENTIAL

HIGH-RISE RESIDENTIAL

Fire strategy and fire engineering reports for high-rise residential projects.

LONDON · EXTERNAL WALLS

CLADDING ASSESSMENT

Part B4 assessment of a proposed external wall insulation and cladding scheme.









WHERE WE ADD VALUE

01

Heritage & listed

Cathedrals, abbeys, mansions and National Trust properties.

02

Residential & housing

Blocks of flats, HRRBs, HMOs and housing association portfolios.

03

Care & healthcare

Care homes, supported living and hospital construction sites.

04

Industrial

Manufacturing, pharmaceutical and high-hazard sites.

05

Commercial & retail

Offices, shops, mixed-use and city-centre buildings.

06

Hospitality

Hotels, guest accommodation and holiday lets.

07

Film & television

Studios, stages, sets and location shoots.

08

Education & public

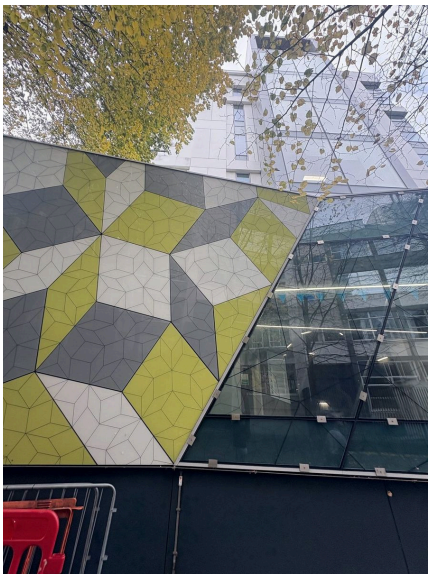
Schools, leisure centres and community buildings.

09

Development

New build, refurbishment and design-stage support.







11 · WHY BLACK MOUNTAIN

TEN REASONS CLIENTS CHOOSE US

01 Certified
BAFE SP205 Registered Organisation, audited under a UKAS-accredited scheme.

02 Qualified
Led by a First Class fire risk engineer and former enforcement officer.

03 Registered
Assessors on the National Fire Risk Assessor Register at Advanced level.

04 Independent
No referral fees. Advice based only on your actual fire risk.

05 Engineering-led
Calculation and modelling behind every solution.

06 Proportionate
Recommendations matched to the risk, and to your budget.

07 Enforcement insight
We know how the fire service will view your building.

08 Heritage expertise
St Davids Cathedral, Caldey Abbey and Grade II* mansions.

09 Specialist environments
Film and TV studios, pharmaceutical sites and hospital construction.

10 Up to date
Ready for the Building Safety (Wales) Act 2026 and BS 9792:2025.

PROTECT PEOPLE · PROTECT PROPERTY · PROTECT HERITAGE

BLACK MOUNTAIN
FIRE GROUP
ENGINEERING | PROTECTION | COMPLIANCE

START A CONVERSATION

Whether you are developing a new building, managing an estate, caring for a historic property or reviewing fire safety across a portfolio, we can help you identify the risk and find a practical way forward.

CALL	EMAIL	WEB
0330 043 9093	info@blackmountainfire.com	blackmountainfire.com

Unit 7 Crosshands Business Park, Cross Hands, Llanelli SA14 6RE

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