

Thoughtful design for Emergency Services

Northern Ireland
Fire & Rescue Service
COMMUNITY FIRE STATION

HLM
Architects



Steven Lennon

Associate, Head of Justice &
Emergency Services

“Thoughtful design
and the desire to make
spaces that improve
lives, sits at the heart
of every discipline
within HLM Architects”

HLM is a creatively focused organisation which operates with the belief that good design and architecture enhances the quality of life and environment for current and future generations.

We recognise the importance of design quality, sustainability and innovation, and all our projects are driven by this in pursuit of overall design excellence.

Our design process is centred on our client’s and user’s needs, and we are committed to providing the highest levels of service and advice, and delivering high quality, elegant design solutions. We are proud of the close relationships that we have developed with our clients, and the extent of repeat work that has resulted from the success of adopting this philosophy.

Our approach to Emergency Services design is operationally led. We have invested time and resource into understanding the most important needs of the Services to deliver their work efficiently and safely.

Whilst our fire station buildings have been praised for their aesthetic design and won architectural awards, the most pleasing and important results are the improved fire-fighter turnout times. These improved turnout times have been achieved by understanding each station’s operational requirements and processes and designing the building around them.



FIRE AND RESCUE SERVICE

GLVY
CAMERA
IN USE ON
THIS VEHICLE

Operationally
effective design
that supports staff
and encourages
personal growth

Contents

6	Tri-Service Stations
16	Fire Stations
22	Police Stations
30	Ambulance Services
34	HQ Buildings
42	Training Facilities
48	Workshops & Logistics





Tri-Service Stations

Refining briefs and accommodation schedules to achieve stations that work equally for all services.

We work closely with all services to ensure their visions are realised, placing them at the heart of the communities they serve and enabling people to live safe, fulfilling lives.

Tri-service stations create a central hub with improved efficiency of time, space and resource for all services.

To promote community integration, when appropriate, publicly accessible facilities such as community rooms have been incorporated into designs such as community rooms. These multi-use facilities provide for both an operationally-led service, as well as one with close community links.





Hungerford Community Fire Station



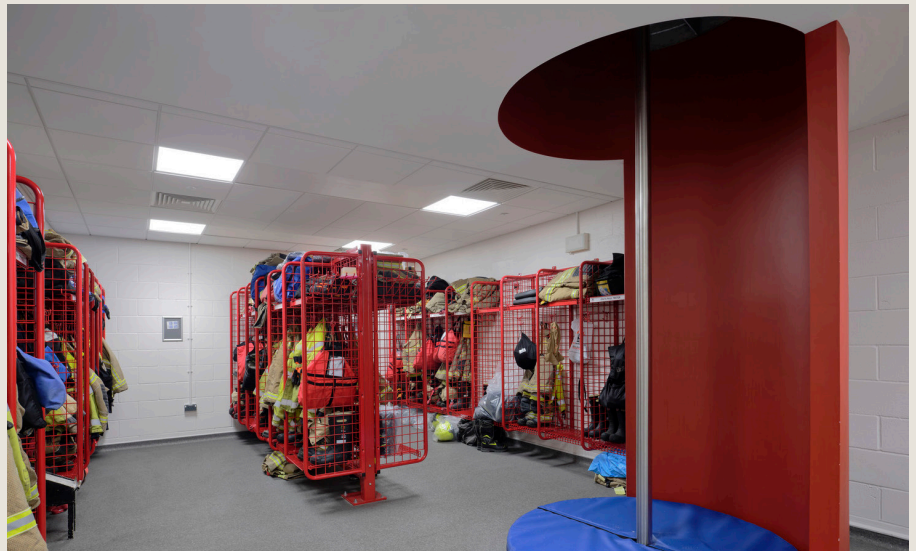
Theale

HLM developed the detailed design for the new combined Fire, Police and Ambulance station at Theale.

It covers whole-time fire cover provided with three appliances, offices and welfare for a community police facility, community facilities and modern work flows that separate the public from operational staff and also address decontamination flows post event. In addition, included are a two-bay transport and communications workshop, specialist working at height training facility, animal rescue and a bespoke heavy vehicle rescue prop.



Brand identity was important for Royal Berkshire Fire & Rescue. This station forms the third in a family of tri-service stations including Hungerford and Crowthorne, all of which use a similar palette of materials and landscape.



Glazing to the office and appliance bays forms part of the concept to 'see and be seen', addressing miss-held conceptions of what is happening inside. This breaks down barriers between the local community and those who serve it, encouraging community ownership of the station through the use of in-station facilities such as the community room. This helps not only with vandalism of the station buildings, but also with anti-social behaviour at call outs and fire prevention.



Crowthorne

Providing a base for all three blue light services as well as much-needed community-accessible facilities in the heart of the village.





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Crowthorne

An Operationally-Led Design Approach. Part of Royal Berkshire Fire Authority's Capital Investment Programme, the most important outcome for the station is to provide fit-for-purpose facilities that support the role of modern emergency services personnel, as well as the local community.

The design of the new station ensures that operational requirements and processes have been incorporated into the building with a operationally led approach.

The facility includes a two-vehicle appliance bay, which will support emergency response to a wider range of incidents. Rapid deployment parking locations with charging points have been incorporated into the 'apron' design, which allows for both ambulance and police rapid response vehicles to mobilise from the facility.

In addition to shared deployment and welfare facilities, space has been accommodated for both the local Ambulance and Police teams to avail of hot desk facilities for day-to-day desk-based functions, and the use of the community room for larger training and meeting functions.

A breathing apparatus room forms the first stage of the post-event decontamination process, and provides the safe storage of BA cylinders. Reflecting the importance of fitness, a compact gym is included for all personnel.



Hungerford

The first of the three tri-service stations delivered for RBFRS, Hungerford opened in 2017 following a major refurbishment.

Providing shared facilities for RBFRS, Thames Valley Police and South Central Ambulance Service, the refurbished station is fully equipped to modern day standards with PPE and specialist equipment required by all personnel.

The project formed the first test bed for not only new spatial arrangements developed around an 'operationally led' design approach coupled with new innovation in equipment such as the Gear-grid storage systems and Toptroc drying units, but also reflecting RBFRS's new branding concept and the capital programme for a family of buildings.

Public access and safe emergency response routes were carefully considered due to the tight site and existing building line, and a phased approach was implemented to ensure uninterrupted fire cover to the local area throughout construction.



The family of tri-service stations designed and delivered for RBFRS has provided a clear brand and presence, becoming an anchor point for the communities they serve and fully integrating the services.

Hayle

HLM, as part of the Cornwall Council Framework for Design Team Services, won a mini competition to lead the Design Team in assisting Cornwall Fire and Rescue Service (CFRS) proposal to relocate resources to new sites in Tolvaddon and Hayle.

As part of this framework, HLM have completed the new 2 appliance fire station with tri-service facilities at Hayle in Cornwall. The station, while providing much needed new accommodation for local fire fighters, also has provision for the public to use the building and has shared accommodation to be used by the local police and ambulance services.

The tri-service approach is intended to make financial savings, better manage risk and improve the resilience of the service. The station has also been the first in the UK to pioneer this new Tri-Service Officer role, combining police, ambulance and fire-fighter services.





“...The completed Service Headquarters, Community Fire Station and Tri Emergency Services Station in Hayle are excellent testament to HLM and their staff. I have no reservation in recommending HLM as genuine hard working, caring company that will support you achieve your property related ambitions and goals.”

Paul Walker, Chief Fire Officer - Cornwall Fire, Rescue & Community Safety Service

Fire Stations

Delivering fire provisions where staff can perform to the very highest standards.

We have decades of operational expertise across this specialist sector, designing and delivering fire stations that are specific to the service's needs.

Our thoughtful design approach ensures a deep operational understanding of what is required for each station and considers the community's requirements as well as ensuring the staff are fully supported.



**North Ireland
Fire & Rescue Service**
COMMUNITY FIRE STATION





Camborne, Pool & Redruth Community Fire Station, Tolvaddon

HLM completed the new 5 appliance whole time community fire station in 2015. This new station replaces a number of local stations and provides fire cover for Camborne, Pool & Redruth.

The new station location increases the total population that can be reached within the ten minute response time in Camborne, Pool & Redruth and surrounding areas from 55% to 68%. The building was handed over in March 2015.





Rathfriland Fire Station

HLM led the design team throughout the design and construction process on the renovation and extension of Rathfriland Fire Station for Northern Ireland Fire & Rescue Service.

This project incorporated the refurbishment and part reconstruction of the existing station following extensive fire damage.

Works included an extension to the existing single-storey building to accommodate two

appliances with additional extension and renovation of the general accommodation to include new fire fighter changing, welfare facilities and community room.

Assessing and understanding the fire damage and how it informed the design was one of the key drivers, but equally important following the decanting of the existing appliance, was maintaining the Communications Room and the specialist communication equipment.



Millwall Fire Station & Mixed-use Development

The Millwall Fire Station and the Canary South Mixed-Use Development (175 private residential and affordable housing units) is located in the increasingly popular area of Isle of Dogs, London.

The preferred concept, realized through a consistent design methodology, included a brief to provide a new fire station and headquarters, with facilities fronting Westferry Road together with a residential development which would appropriately respond to the urban setting and financially contribute to the creation of the new facility for the London Fire and Emergency Planning Service.

The design as a whole has been organised around a central courtyard, which offers a safe and secure amenity space to both the housing for sale, as well as the affordable housing.

An interesting feature at the end of the courtyard is the fire practice tower and drill yard, around which the fire service staff practice life saving techniques; providing an additional degree of theatre to the courtyard itself.

The station has been designed to be energy efficient, with technical specifications such as light sensors to conserve energy. The project was commended by CABE, the Greater London Authority and the London Borough of Tower Hamlets as an exemplar of high quality design.

We understand our design has led the fire service to re-consider its future role in many aspects of its development of new operational policies, as a good neighbour within the community.





“...The proposed development successfully integrates a complex mix of uses, to create a high quality scheme [...] the proposed design is to a high architectural standard of contemporary design”

Mayor of London

Police Stations

Providing designs that address the force's operational and security needs

Our team has worked on a wide range of secure, discrete, technologically-innovative projects for the emergency services, specifically important to the police.

We are practised in creating building forms that fully support the functions delivered in and around them, enhancing operational efficiency and rising to security challenges associated with the police force.





**MALBY POLICE
STATION**



South Yorkshire
POLICE

JUSTICE AND COURAGE

Bamfurlong HQ

HLM were approached through the South West Police Framework to assist GC with the development of a new operational Headquarters to replace the existing facility at Bamfurlong and to support the technical and operation of the main Headquarters at Gloucester.

We were involved from stage 0, establishing a business case in close consultation with the property team which would achieve the vision set out by senior leadership.

Following concept development which considered accommodation requirements and operational arrangements, the team led design and user consultations, developing detailed design.

Two key streams, operational-led design and workplace solutions, were led by the team in tandem to ensure full collaboration and a project which meets all requirements.

To provide resilience to the wider estate a fall-back control and call receiving centre was designed with the built-in flexibility to be used for training and other functions when not in use. The Silver Command suite was also split into two distinct rooms for both overt and covert Silver events. The overt silver command is linked to the fall-back control and call receiving suite and the covert silver control is linked to the Serious and Organized Crime Unit with discrete one-to-one and interview rooms.





Armed Response and Road Traffic teams have been strategically placed at ground floor level with direct access to secure operational parking and access to a new interlocked Armoury with secure weapon storage, tack loading, separate weapon and ammunition secure storage, secure space for confiscated weapons and a workshop for destruction of confiscated weapons.

In the operational zones, careful design consideration has been given to the evidence change, secure storage of seized goods and evidence, with separate secure

storage of drugs, money and evidence materials.

In addition to some of the specialist units described, the facility also houses the dog unit's kennels and the mounted section stables, paddocking and parade grounds.

Staff welfare was a key consideration, not only in the design of the office accommodation but also in the breakout space, lockers & changing, decompression space, gym and kitchen facility that drew on some of our recent Stage 2/3 designs for Yeovil Police Station.

Yeovil Station

We took the extensive refurbishment of the police headquarters in Yeovil through RIBA Stages 0-6.

Refurbishment will include re-cladding of external façade, new services, Interiors and Internal layouts.

Built in 1975, the facilities at Yeovil were identified as oversized and unfit for purpose for modern requirements.

Due to changes in the way in which the Police Station now functions, the constabulary explored a number of options. After extensive consultations it was decided that the existing site should be re-developed in the best interests of operational policing and for the local community.

Our design creates an opportunity for a new 2 storey contemporary, flexible modern-day working environment using sustainable design principles and construction. The open plan design facilitates a 'one-team' working ethos and collaboration with partners. The new facility also benefits from the introduction of the latest IT facilities.

The external landscape aims to function also as an extension to the new building, by offering areas for socialising, relaxation and reflection. These external spaces will be of various scales immediately adjacent to the building and will incorporate entrance points to access the building, circulatory spaces and provide areas for congregation during breaks.





Southern Justice Centre

HLM were appointed by the Combined Justice Agencies with the Warwickshire Constabulary acting as Project Managers to develop designs for a new Justice Centre at Leamington Spa.

The successfully completed facility now provides both Crown and Magistrates Courts, Judicial Services, Probation and Police Headquarters under one roof, and is a landmark civic facility that significantly contributes to the urban fabric of the town, raising expectations and aspirations for future public buildings.

The project brief required to bring together both Crown and Magistrates Courts with all of the UK's Justice Agencies and the Police for the very first time.

The subtleties of the Law which required true independence of the judicial process from the Police and CPS being brought into a single built environment naturally created a series of design challenges which were successfully overcome through extensive collaboration and innovation in the design.

With its naturally lit internal garden courtyards, the building successfully manages the transition from the public to the private domain through subtle treatment of the hierarchy of space.

The new building makes a clear and strong statement to the public in terms of both the importance of justice in our society alongside the need for transparency in the justice process itself.

Agencies can be clearly seen working together for the public good not only in terms of ensuring that justice is fair to all but also doing so through well managed and efficient working environments.

Maltby HQ

HLM, with Totty Construction Group, developed a new low-security Police Headquarters.

The project consists of accommodation over two storeys, including a secure yard for operational vehicles and fuel pumps with a total GIFA of 2,700m² and a contract value of £3m. The brief was to identify a site within a short radius of Junction 1 of the M18 and design a facility for 125 personnel.

HLM are consultees as part of the re-write of the Police Custody Design Guide. We brought our wider custodial design experience and safe cell design to the process during the update workshops in September 2019



For almost two decades, HLM has been at the forefront of custodial design in the UK and international markets.



Surrey Police HQ Masterplan, Martlesham

HLM worked alongside Suffolk Police to develop their Strategic Outline Business Case for the rationalisation of their main headquarters site at Martlesham and optimisation of their satellite site at Landmark House.

Initial design proposals considered several options, with the preferred solution being a consolidated masterplan at Martlesham focusing on training for police recruits and other blue light services across Suffolk and Norfolk alongside specialist facilities including their main control room and armoury.

A complimentary solution for Landmark House was also proposed, focusing on workplace optimisation and a rebalancing of the workforce across both sites following the pandemic. Optimisation of the facilities at Martlesham provided the potential to release land for housing development which would help to fund the developments to the main HQ and Landmark House.

HLM is also appointed to complete the Outline Business Case.





Ambulance Services

Equipping the service for fast response

Initially, our experience focused on the Dual and Tri-Service Stations that incorporated Ambulance facilities including staff welfare and operation deployment accommodation which focused on the benefits of collocation and shared space while addressing the key areas of separation around infection control, controlled materials and the requirements of NHS Guidance such as the HTM's.

Recently, our experience has broadened from the operation deployment and support accommodation to include specialised critical infrastructure with emergency call receiving centres, control rooms, major incident facilities and Silver Command Suites all back boned with statutory 200 hours resilience and counter terrorism measures.





Royal Emergency Services
Community Station
Glasgow Northside
Glasgow (Leithside) Rd

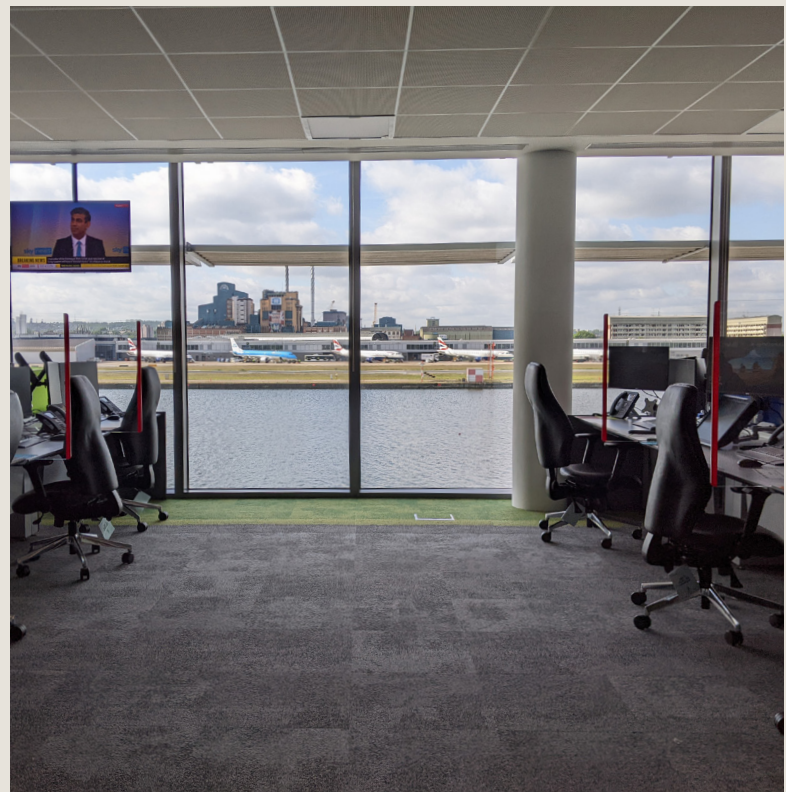
London Ambulance 999 Call Receiving Centre

HLM were asked to assist London Ambulance & RLB in the development of Business case options for the upgrade and increase capacity of the existing call receiving centre at Bow in London.

As part of the costed option studies, HLM developed options to extend and renovate the existing facility at Bow, options to fit-out an existing building to accommodate the requirements, and a phased new build option on the existing site that allowed the existing facility to remain functioning during the works with a phased migration to the new facility.

The impact of the Covid-19 pandemic added additional urgency to the works and so the fit-out of an existing office building became the preferred option within the business case. Following a mini competition under the NHS SBS / CCS Framework HLM were appointed to complete the project from RIBA Stage 1 to 7.

The design concept was centred around a modern work environment that reflects the aspiration of London Ambulance Service, current and prospective employees, and creates spaces that allow staff to decompress and download, following difficult calls.





The facility chosen to accommodate the new call receiving centre was a first-floor office plate as part of the larger Newham Council Building. The existing floor plate was stripped back to the shell and core and new accommodation was developed that included an open-plan Emergency Operations Centre for 110 call handlers, a Specialist Operations Centre open-plan office for 30 desks in a separate and secure Serious Incident / Major Incident office with full Sliver Command & Silver Pod facilities.

To support these two key spaces, there are a range of support accommodation including a range of smaller meeting rooms from six to four and one to one meeting spaces.

Also supporting the facility are staff welfare facilities for 150 people:

- † Rest/Recreation & Social space with informal furniture,
- † Kitchen and dining spaces, lockers and WC's,
- † Quiet Room,
- † Reflection Room
- † Mothering Room.




HQ Buildings

Delivering state-of-the-art Headquarters for optimised service efficiencies

While Headquarters buildings generally provide the administrative back bone of emergency service building typologies, they also provide important operational command functions, from silver command suites in district headquarters, to emergency call receiving centres, gold command suites, major incident, and joint operational facilities in provincial, county & authority headquarters.





**MAGH COMMUNITY FIRE STATION
MAGH DISTRICT HEADQUARTERS**



Cornwall Fire & Rescue Service

HLM completed the provision of a contemporary Multi Services Headquarters building in Tolvaddon in Camborne, Cornwall.

The HQ building comprises Engineering Workshops and Stores, Training and Development Centre, Fire Control, CCTV and Lifeline Communication Suite, Emergency Management Team, Prevention Team (including CDR), Protection Team, Response Support, Business Development Team, Principle Officer Group and centralised Administration.

This facility is situated adjacent to the Tolvaddon Community Fire Station, also designed by HLM. The design of the HQ building has integrated break out spaces, conference and meeting facilities, improving and encouraging team working and a less formal environment. The service workshop and stores contain 5 vehicle bays, and the stores allow for the housing of clothing and fire fighting equipment. Maintenance of all operational equipment and repairs can be carried out in this facility.



Royal Berkshire Fire & Rescue HQ and Control Centre

This project involved substantial refurbishment of an existing 2 storey building at Theale to accommodate the relocation of the Headquarters and Control Centre.

It involved comprehensive refurbishment of the external fabric of the building – external walls, replacement windows and doors, new roof covering onto strengthened roof structure and replacement rainwater goods. Internally, the building was

completely stripped back to structural walls and floors, new partitions, along with complete decoration, finishes and fixtures. M&E installations were also replaced.

The refurbishment has brought the building up to compliance with current standards including Building Regulations, DDA Requirements, and Environmental Standards, introducing modern open plan office and meeting spaces. The design included creating a welcoming entrance foyer and

reception along with upgrading of the approaches to the building.

In addition, the new building includes a Control Centre which is a joint partnership between the services of RBFRS and Oxfordshire County Council Fire & Rescue Service (OFRS). As a result, this building is regarded as an element of national infrastructure and has had the additional security requirements installed for a building of this type.



HLM provided Architecture, Interior Design and Landscape Architectural Services from inception, through construction, completion and handover.

Omagh District HQ and Community Fire Station

HLM led workshops with a cross-section of Northern Ireland Fire & Rescue Service (NIFRS) operational and local station staff, including District and Area Commanders, trainers and the local fire-fighters themselves to develop an operationally led design.

The design also addresses specific gender considerations thanks to a female fire-fighters' workshop, reflecting the changing nature of the NIFRS.

The result is a district headquarters with a fire station housing six fire appliances. This presents a new piece of civic architecture to the NIFRS building stock and to this area of Omagh. There is a community fire safety centre, district and station training facility and a dedicated transport and engineering workshop.

The training provisions include a bespoke training tower, as well as Road Traffic Collision (RTC) and specialist animal rescue facilities.

Designed taking inspiration and lessons learnt from some of the best fire stations and training facilities across Ireland and the UK; Omagh is the first of a series of prototypical stations that can expand and contract depending on the site and operational requirements.





The station, while providing the key operational and administration hub for the district, also has a Silver Command facility offering operational resilience for major incidences across Tyrone and Fermanagh.



It also houses the district training facility, covering work at height, BA, smoke, RTC, USAR and Animal Rescue. A community suite is located within the headquarters, for local use and community engagement.



Training Facilities

Designing for the delivery of quality training for emergency personnel

The provision of highly trained staff is a key requirement for all emergency services. Coupled with the ability for continuing professional development to be accessed, facilities to support this prime function in terms of front-line activities and staff safety are essential.

Over the years, HLM has been able to work with the training delivery teams within the emergency services to develop the base line training facilities, supplemented with the full range of bespoke solutions for individual facility specialisms.

Our work on dual and tri-service facilities has also allowed the creation of joint service training spaces and incident simulation.





London Fire Brigade

HLM provided the full design services to Babcock for the design & build of two training facilities as part of their framework for London Fire Brigade.

The Emergency Services Training Centre at Park Royal, London forms a key part of the major investment in new training facilities for the London Fire Brigade and includes a high specification Real Fire Training House, providing high level safety training for fire fighters in tackling fires whilst using breathing apparatus and practising Positive Pressure Ventilation (PPV) techniques.

Located within a 1.1 acre site in Park Royal, NW10, within Europe's largest industrial estate, the site has been developed to include new classroom, welfare, maintenance rooms and offices to support the training at the facility and local station.

Various training scenarios have been provided, for example, Carbonaceous Fire Training, Tower and Line Training, forced entry, working in confined spaces, and extended duration breathing apparatus, alongside many other operational training capabilities.

Built to BREEAM Excellent standards, the design incorporates a CHP heating system and the inclusion of photovoltaic panelling on the roof. Also integral to the design have been an air cooled condenser climate control strategy applied to the classrooms, the application of high levels of insulation and passive measures to minimise energy consumption, plus the responsible sourcing of materials and a rain water tank to recycle run off water.



Confined space
rescue provision



Scottish Fire & Rescue

HLM were the D&B design team for Lagan Constructions deliver of the new Technical Rescue Training Zone (TRTZ) the Scottish Fire & Rescue Service.

The project involved the design, construction and delivery of a training zone which met the needs of a range of rescue services. The site was a former coal fire station and is part of the wider fire service training campus that has been constructed over a number of phases. The team had to deliver this particular phase whilst ensuring there was no conflict with the training provided on existing zones of the Training Centre. All worked closely with onsite staff and the creation of policies such as a traffic management plan to ensure the smooth progression of the project.

The facility had two specific areas, firstly the confined space zones which included training houses, concrete trenches, a sewer complex, wilderness rescue area, an animal rescue pit, silo and confined space training rig. The building also contains welfare facilities such as showers, storage, eating and drying areas.

The second zone was for the urban search and rescue team – USAR – which provides opportunities for tunnelling and shoring training, hot cutting of steel, technical searches, breaking and breaching of concrete and heavy lifting.

The flexibility of the design was important to include the provision of removable stairs, collapsed floors, collapsed roofs, removable safety barriers, tunnel complex and simulated collapses within tunnel sections.

Urban search and
rescue provision



Bespoke Training Tower, Omagh

The training tower is fully enclosed with concrete staircase, dry risers, and smoke shutters to the window.

It has a high platform for 13.5m ladder training and a pitched roof above a third storey with projecting balcony to create a vast array of training scenarios.

The projecting balcony also creates a small room at first floor level that allows the fire-fighters to practice door entry procedures and heat training in a dark and smoke-filled environment.

Concrete pipes accessible from the first floor create confined space rescue training opportunities.





Workshops & Logistics

Integral support for front-line emergency services

Workshops provide the second line in terms of emergency service delivery, with skilled technicians delivering tested and safe equipment to assist the front-line delivery.

With our emergency service clients, HLM have developed workshop provisions that cover the full range of servicing, testing and logistic covering everything from vehicle repairs and servicing, MOT & PSV testing, BA servicing & refilling, kit and equipment decontamination and repair, communication equipment repairs to lab environments for the testing of new equipment.





 Service Support Centre
Reception ↑
Deliveries Goods In & Out →
Fleet & Engineering ←


Inland
Rescue Service

Northern Ireland Fire & Rescue Service Support Centre

Recently completed in Belfast, this new facility combines and relocates the existing NIFRS Technical Workshops currently located at the NIFRS Training Centre, Boucher Crescent and the existing NIFRS Transport Workshops and Stores, at NIFRS Headquarters, Lisburn.

It creates a new purpose-built complex on the site of the previous Training Facility where the Central Workshops have relocated. The initial brief was for HLM to develop a concept design for a new facility that combined the current main workshops with several regional / local facilities and the logistical receipt and distribution centre for the whole of the province. The facility was also seen as an opportunity to modernise and change existing functions and processes to meet the changing nature of a modern Fire Service. It very quickly became apparent that the size and operation of the new facility was key to the success of the project, so two parallel studies on the storage capacity and workshop operational work flows were carried out to inform the brief, area schedule and ultimately the cost plan.

This important project presents an opportunity to support the delivery of a fire and rescue service working in partnership with others to ensure the safety and well-being of the users. It was paramount for NIFRS that the design team created a high quality flexible and future-proof facility that can improve the quality of life and work for the staff and the wider communities. Boucher Road is a prime location in Belfast and provides considerable opportunities for NIFRS vehicles to access from both the city fire facilities and via the adjoining motorway network to the wider fire service estate across the province.



“Thanks to HLM’s dedication, professionalism and interpretation and understanding of the vision of the future for the logistics of NIFRS and turning that into an architectural solution we have what is a first class building that will serve the needs of both the community of Northern Ireland and the employees of NIFRS ”

Mr Ian Grimes, Head of Fleet, Engineering & Supplies NIFRS



Northern Ireland
Fire & Rescue Service

Service Support Centre

Reception

Deliveries Goods In & Out

Fleet & Engineering





As the role of the NIFRS has expanded over recent years particularly in the areas of rescue, the range of equipment required to support fire fighters have expanded. The new facility provides a single location for the commissioning, repair and maintenance of equipment from the logistic store. The design was developed with the objective of the NIFRS Mission Statement clearly in mind; “to facilitate the effective and efficient provision of a fire and rescue service”. In this context the design solution ensures future operation, build-ability, adaptability, flexibility and affordability are built in.

The design includes a number of appropriate environmental measures to reduce the impact of energy use, and whole life cost of over the lifetime of the building, reflective of the increased cost and burden in fossil fuel use, coupled with the NIFRS’ targets for carbon reduction. The new building presents a strong and robust design, using

a simple yet effective and appropriate material palette. Careful attention has been made to the choice of materials to provide a building requiring only minor maintenance. Powder coated aluminium standing seam which wraps a steel frame from roof to wall of building is a clear demonstration. To the rear, aluminium composite panels suspended from a portal frame. Internally, tough surfaces have been selected including resin flooring in the workshop.

A first class building that will serve the needs of both the community of Northern Ireland and the employees of NIFRS



Cornwall HQ Workshop & Logistics Facility

As part of the Cornwall Fire & Rescue Services complex, specialist workshop provision was included and the orientation of the main office building allowed the more industrial workshop building to be screened behind and under the main mass of the HQ Building and thus visual shielded from the approaching public.

The lower area of the site helped to create a large turning/delivery and parking yard to the front of the workshop bays with space for vehicle refuelling. The workshop area is a shared multi-agency space with 6 HGV lifts, space for 3 light goods vehicles, fabrication area, ladder & hose repairs with stores, offices, and welfare facilities. The workshops are also vertically connected with the office building to further share facilities. The Cornwall Fire & Rescue Service's indoor training facility is also located to the west of the workshop, with space for two appliances, incident command vehicle, and space for training and possibly a training tower. This indoor facility can also provide overflow workshop accommodation for electrical/comms repairs.



The workshops utilise the natural change in levels across the site, allowing them to be formed under the HQ office building and extended to the west of the site, while still presenting a relatively low profile to the residential accommodation, to the north



Summary

A key driver in our success, we believe, is our ability to understand and address the key project issues, and our teamwork ethos which seeks to make the design activity both a productive and enjoyable process.

By embracing all aspects of visual design from architecture and landscape architecture to interior design and wayfinding, HLM seek to provide a cohesive design solution to all commissions in order to create holistic, healing environments.

Let's talk about making better places.

Steven Lennon

Associate, Head of Justice & Emergency Services

Steven.Lennon@hlmarchitects.com

Delivering

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Thoughtful design



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