



AFL ARCHITECTS

Healthcare Portfolio

Architecture For Life

AN INTRODUCTION





WORKING WITH YOU TO DELIVER INSPIRING, COMMERCIAL AND PEOPLE-CENTRED DESIGN

AFL Architects is an architecture, masterplanning and interior design practice headquartered in Manchester, with additional offices in Birmingham and London. Working within the Healthcare & Education, Residential & Commercial and Sport & Leisure sectors, we have a global reach of 25 countries and a worldwide reputation for collaboration, commitment and responsiveness in the face of any challenge.

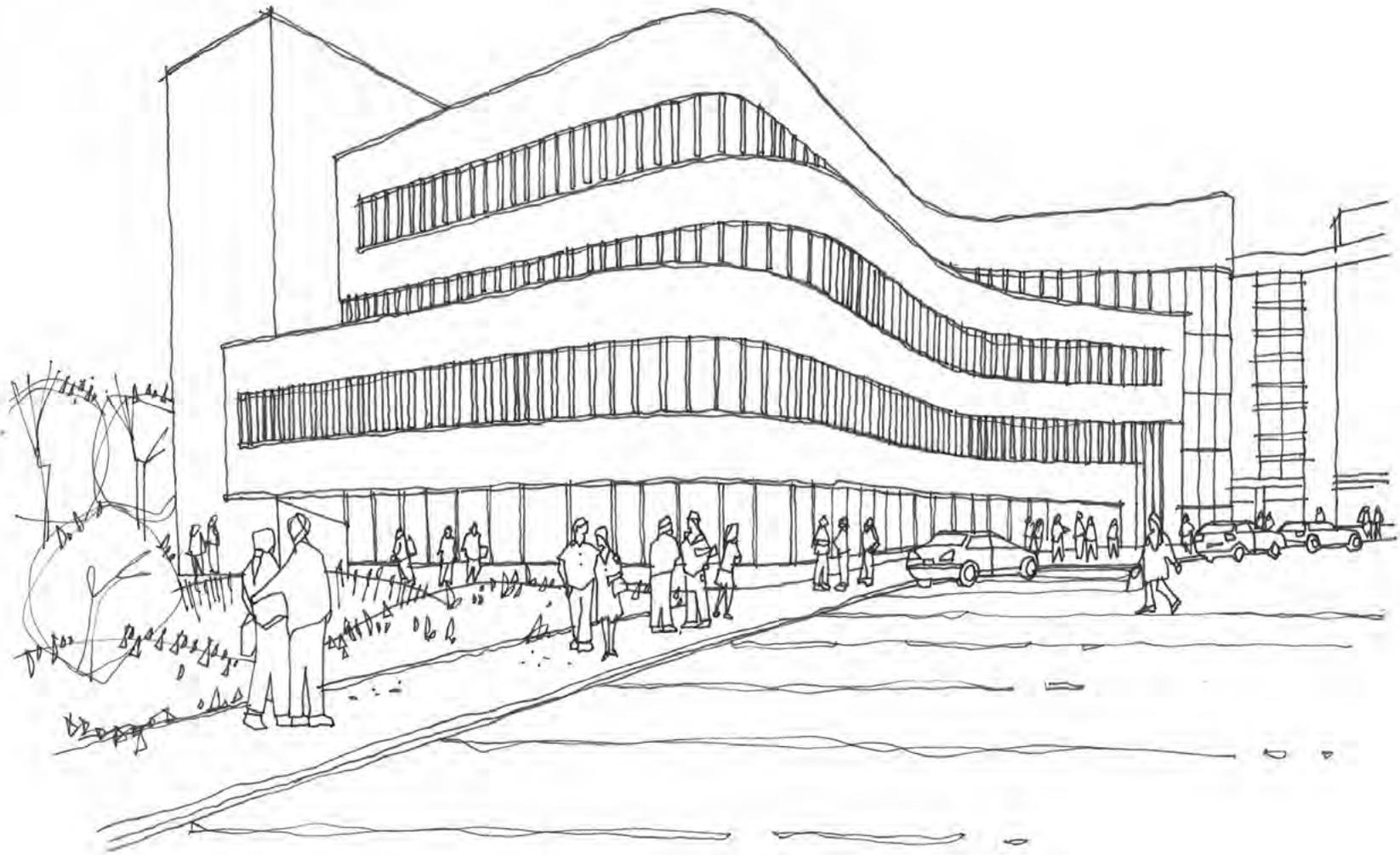
Our dedicated team are passionate about the spaces that shape our environment. We provide our clients with services and products of the highest quality, delivering innovative and commercially successful schemes with passion and confidence, providing support to our clients throughout a project's journey from inception to completion.

From beginning to the very end, our core business focuses on:

- Lead consultant
- Benchmarking, brief analysis, site analysis and development
- Masterplanning
- Space planning
- Architectural design
- Interior design
- Wayfinding and graphic design

RIBA 
Chartered Practice





HEALTHCARE CAPABILITY

Delivering developments with purpose, high functionality and lasting design

46

Established NHS clients

7

Active nationwide public sector frameworks

20

Years working with our longest running clients

£250m

Construction value of commissions in last five years



MAJOR ACUTE CARE



PRIMARY AND ACUTE CARE



RESEARCH, EDUCATION AND TRAINING



MENTAL AND SOCIAL HEALTHCARE



MASTERPLANNING AND DCP



THEATRES AND LABORATORIES





GUIDED BY QUALITY, DRIVEN BY COLLABORATION



PROJECT FIRST TEAM WORKING

AFL draws from a team of architects, urban designers, masterplanners and interior designers to provide the optimal skills at every stage, supported by collaboration with leaders in academic and professional research and practice.



EMBEDDING DESIGN QUALITY UNDERSTANDING HEALTH

Our expertise covers long-term estate masterplanning, primary, tertiary and mental healthcare, social and community outreach, research and training facilities. This comprehensive service has been designed and refined to respond to the ever-evolving needs of the sectors. Through this approach, we have been able to foster decades-long relationships with clients across the UK.



BUILDING A VISION BESPOKE RESPONSE

We thrive at the very early stages, embedding a vision for a development and exploring potentials by fully considering its interaction within its space and with its community. We recognise the need to create spaces that are accessible to everyone. A diversity of design tools allows us to communicate with all individuals, whatever their background.



TECHNICAL EXPERTISE DESIGN INTEGRITY

At our foundation, we understand what it takes to bring a concept to life. When we deliver, we work pragmatically and at a high level of engagement. The project always comes first - we champion honest and open dialog to drive production of the design intent. We are strong advocates for an efficient and controlled process, supported by technology, not controlled by it.

ACUTE CARE

THE CHRISTIE AT MACCLESFIELD

Client: The Christie NHS Foundation Trust
Location: Manchester
Status: On site

A fully-integrated cancer treatment centre that will provide exemplary care to the local community.

The facility provides two linear accelerators for radiotherapy, a diagnostic CT scanner and a 16-bay chemotherapy suite. An outpatient clinic will include eight examination rooms and an information and support service, providing counselling, guidance and alternative therapies.

The sweeping form of the elevation draws a clear link between this unit and the main Christie facility in Manchester, also designed and delivered by our healthcare team.

The visual cue, reflective of the wider Trust identity, signifies to patients that they can expect the same world leading care at both sites. The brass/copper cladding has been chosen for its weathering feature – the bright copper finish will slowly transform to a deep matt brass over the lifetime of the building.



Grey sandstone grounds the building in the local material vernacular of Cheshire. The sandstone is used to clad the patient stair and lift core, along with the linking corridor structure. The ribbons of brass that peel off from this core clearly identify the new entrance to the hospital.

Along with the retained mature trees and planting, the building form provides a screened external space for patients and staff, while being open and visible from the central waiting area.



LEICESTER CHILDRENS HOSPITAL

Client: University Hospitals of
Leicester NHS Trust
Location: Leicester
Status: Completed

A new, state-of-the-art dedicated Children's Hospital for the East Midlands, including the major refurbishment of existing facilities.

The new development was built using modern methods of construction. It comprises three storeys with a link corridor at each level to integrate with the existing facility.

Future plans will add an additional storey to the building, which has already been integrated into future phasing designs. In its entirety, the space comprises a new cardiac ward, outpatient and diagnostic department, paediatric intensive care unit, cardiac theatre, catheter lab, ancillary rooms and parents' accommodation.



We are thrilled with the beautiful, modern and inviting look of our new home. When planning our brand new facilities it was so important that we created a pleasant, calming environment - not just for our patients who will be receiving treatment for cardiac conditions, but for their families and carers too.

I'd like to thank AFL Architects for their work in designing these fantastic new environments and clinical spaces that all of our staff, patients and their loved ones will appreciate.

Iona McAllister - General Manager, East Midlands Congenital Heart Centre



STRATFORD HOSPITAL

Client: South Warwickshire NHS Foundation Trust
Value: £22m
Status: Complete

A flagship building to address both clinical need and the promotion of health and wellbeing – providing a high-quality space that puts patients at ease.

The hospital includes a new cancer services unit, eye unit, 250 space multistorey car park, energy centre and public realm as part of the strategic masterplan.

The principal design concept is to produce a community hospital that provides a striking building with a strong identity for the Trust. The simple proportions and predominantly brick finish of the building allows it to respect and complement its context, whilst at the same time provide an elegant, deliberately restrained and sophisticated design aesthetic.



From the first concept drawings to the finished building, AFL did not disappoint South Warwickshire NHS Foundation Trust: providing for our local population a beautiful, well designed, fully functional, efficient healthcare facility, car park and energy centre to be proud of

The comments received have all been so positive and encouraging that it shows the best designers were appointed to this project.

Linda Frost - Associate Director of Business Development and Head of Programmes



SHEFFIELD CHILDRENS HOSPITAL

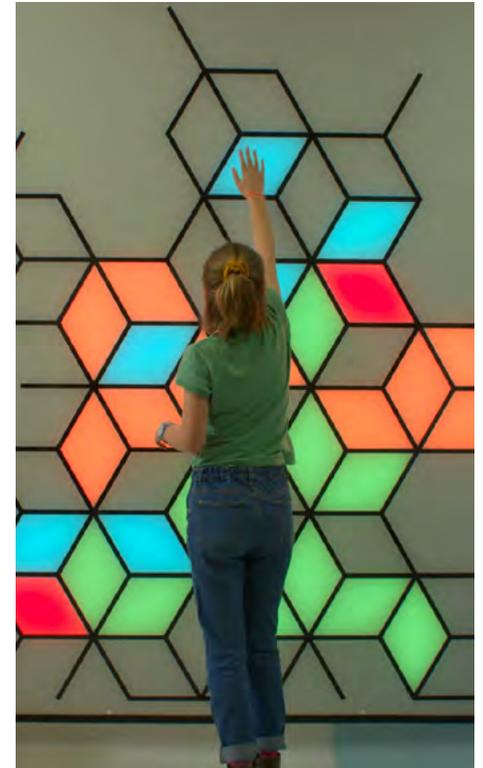
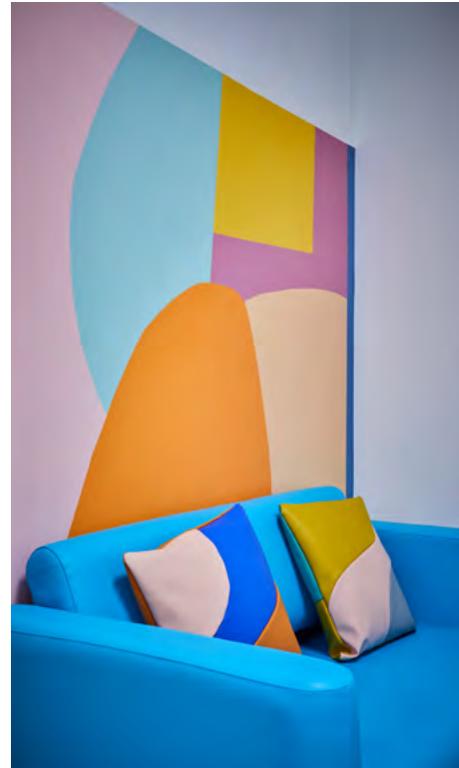
Client: Sheffield Childrens NHSFT
Value: £5m
Status: Completed

The award-winning internal refurbishments of existing office space and ward block to create a new Outpatient Paediatric Oncology Unit and a new Safeguarding Support Unit.

Our designs created welcoming, neutral and safe spaces with colour and interaction at heart. We collaborated with an artist to create a continuous flow of graphic images, enriching the spaces.

A video wall in the waiting area and a projector in the consultant room projects moving images onto the flooring. In the SSU, the main waiting area holds a bright digital art installation.

These moving images are eye catching, ultimately capturing the imagination and making it easier for young people, caregivers and staff to connect, communicate and foster trust.



RUTHERFORD DIAGNOSTICS PROGRAMME OF WORKS

Client: Proton Partners
Status: Phase complete

An ambitious programme of healthcare developments across the UK. The first of these innovative facilities was Rutherford Diagnostics' HQ, based in Liverpool City Council's £1bn Paddington Village development.

The development is one of the first facilities to offer a range of cutting-edge diagnostic services including MRI, CT, PET CT, ultrasound and endoscopy.

Patients are welcomed into the building with an approachable, reassuring and private point of contact. The use of soft furnishings, artwork and planting mirrors the comfort of home. Meanwhile, staff will be given a collaborative working environment that fosters continuous communication and cohesion through flexible modular furniture solutions.



HYBRID THEATRES

Value: £3m
Status: Completed

A new hybrid endovascular theatre suite, designed to transform the treatment of patients at the Manchester Royal Infirmary.

The suite consists of two hybrid theatres equipped with advanced technology, including a robotic C-arm with the ability to scan patients during surgery.

Our team created a full 3D model to provide a true 360° analysis of the available space. The design and installation of a suite of this complexity demanded extreme due-diligence.

An innovative modular construction technique was used which met all fire, radiation and sound insulation requirements, but could be quickly disassembled for rapid access.



LEIGHTON CRITICAL CARE AND THEATRES

Client: Mid Cheshire Hospitals NHS
Value: £22m
Status: Completed

Eight state of the art operating theatres (4 with Ultra Clean Ventilation), 14 recovery bed spaces and 14 critical care bed spaces. The operating theatres rival the best in the country and include two 'barn' theatres – essentially one large operating room that enables two procedures to be carried out side by side, with shared preparation and cleaning areas.



MASTERPLANNING AND PROGRAMMES OF WORK

ROYAL BOLTON HOSPITAL MASTERPLAN

Client: Bolton NHSFT
Status: Ongoing

The 5-year Development Control Plan for the Royal Bolton Hospital. A complete reassessment looking at the opportunities presented in the current challenges of the hospital and those established by the site plan.

Other projects:

- JAG-accredited endoscopy department
- New maternity and paediatric department
- ED and radiology redevelopment



Current site configuration

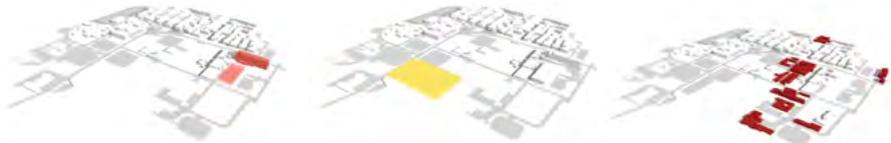


Development options



06 Development Options

5 year plan



Workstream 1: Zone 9

Proposed new 4/5 Storey Bolton College Medical School (completion date 2021)

Workstream 2: Zone 1

Proposed new 4 storey central multi-storey staff car park with retail units located at ground floor level.

Workstream 3 Zones: 8, 10 & 11

Demolition of dilapidated / vacant estate

Workstream 4: Zone 3

Proposed new 4/5 storey Maternity and Outpatients building. Current services operating from Zone 3 to be relocated following completion.



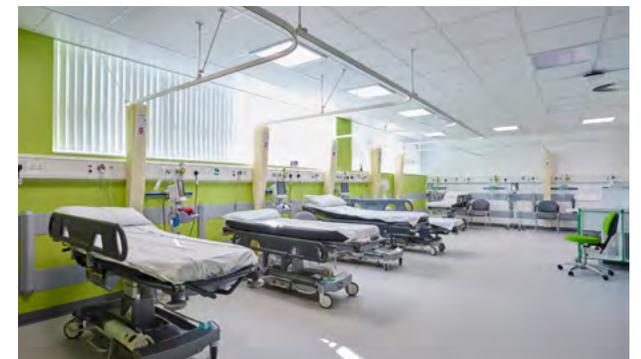
5 year plan



Workstream 5: Zone 6

Frontage improvement works to the main hospital building including an internal reconfiguration of the main entrance / reception area.

Potential Future Developments



ARROWE PARK AND CLATTERBRIDGE HOSPITAL

Client: Wirral University
Teaching Hospital
Status: Ongoing

A strategic estate masterplan to explore opportunities for site disposal for residential use. One of over 50 schemes completed for the Trust, many as a rolling programme of refurbishments

One of the projects, the multi-award-winning first impressions scheme, involved the redesign of the A&E department, the Executive offices and the Main Entrance, which is a complex series of decant and recant schemes over a two-year period.

Other projects:

- Redevelopment and expansion of ED department. Including minors treatment cubicles, triage, resus and bereavement suite.
- Endoscopy redevelopment
- Women's and Children building
- Pharmacy department
- Pathology Laboratory upgrade



I worked with AFL on multiple projects at Arrowe Park and Clatterbridge Hospitals including the emergency department, new main entrance and new Trust Headquarters. On all projects, they engaged extremely well with the users, the Trust estates team and others to deliver high quality results. I would have no hesitation in appointing the team for future projects.

David Hounslea, Director of Estates & Facilities, Wirral University Teaching Hospital



STEPPING HILL HOSPITAL MASTERPLAN

Client: Stockport NHS Foundation Trust

The 5-year Development Control Plan for Stepping Hill Hospital. Subsequent projects included a new CT scanner, S136 suites and HSDU extension. A major project was the redevelopment of the emergency department and pathology facilities, including a new paediatric ED.

Subsequent stages formed part of a multi-phased internal refurbishment and 3 storey extension adjacent to the live resus and decontamination area, including a new 5 bay resus and redirected route into expanded majors whilst at the same time incorporating a new operating theatre plant room above.



THE CHRISTIE PROGRAMME OF WORKS

Location: Manchester
Status: Complete

A programme of works that includes major capital schemes to minor works. The majority of the works were carried out within a 24/7 live environment.

Projects:

- BREEAM Excellent Oak Road Treatment Centre
- New theatres
- Ward redevelopments

- Diagnostics
- Chemotherapy day care unit
- C.T. Stimulator
- Education Centre
- HTU Refurbishment
- Outpatients department
- OPD refurbishment



MANCHESTER UNIVERSITY NHSFT PROGRAMME OF WORKS

Location: Manchester
Status: Ongoing

We have worked with Manchester University NHS Foundation Trust, in all its forms, for 20 years. Our intimate site knowledge includes the production of the site-wide BIM model.

Our current projects at their central Manchester site are just the latest of many carried out for the Trust, starting with the delivery of PFI assets in 1999 and continuing with:

- Clinical Sciences Buildings 1, 2, 3, and link bridge
- Hybrid Theatres, transforming the treatment of patients undergoing cardiovascular operations
- The SDC for Project RED: the redevelopment and extension of the existing adult's ED.
- The JAG-accredited Endoscopy Department
- Edale House Mental Health Unit
- NICU Reception and Expansion

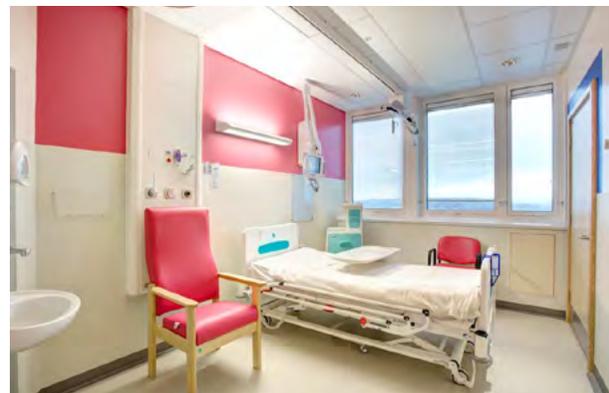


CALDERDALE AND HUDDERSFIELD NHSFT PROGRAMME OF WORKS

Client: Calderdale and Huddersfield Solutions
Status: Ongoing

Our team have completed over 30 projects on this estate over the last 20 years. The programme of works has seen our team navigate complex isolations, redevelop and refurbish wards, improve wayfinding and layouts, as well as having an integral role in the look and feel of the hospital itself.

- Paediatric Assessment and Observation Unit
- New Midwife led Birth Centre
- Ante-Natal Clinic, Delivery Suite and Maternity
- Main entrance and cafe
- Emergency Department
- Ward refurbishment programme
- Mortuary
- Theatre Upgrades and Diagnostics
- Breast Screening, MRI and X-Ray upgrades.
- Ward Refurbishment Programme
- Pathology Labs and Pharmacy
- Car Parking and Site Masterplanning.
- Chemotherapy and Oncology Unit
- Staff offices and main IT hub
- Yorkshire Fertility Clinic
- Learning Centre Upgrade



PRIMARY, COMMUNITY AND OUT-PATIENT CARE

ALTRINCHAM HEALTH AND WELLBEING CENTRE

Client: Citybranch
Location: Altrincham
Status: Completed

The new health centre in Altrincham – an integration of health, social and community space – has already been recognised as a step-change in the approach to NHS primary health care.

The redevelopment centres on social and healthcare integration, where it incorporates a new library based on the ground floor, along with a pharmacy and café.

The design takes inspiration from the former hospital and its neighbouring Grade II listed building, the Altrincham Market House.

Care has been taken to integrate the building into its surroundings. The development required significant consultation with English Heritage along with local planning departments, the result of which meant the historic facade was reconstructed and incorporated into the design.

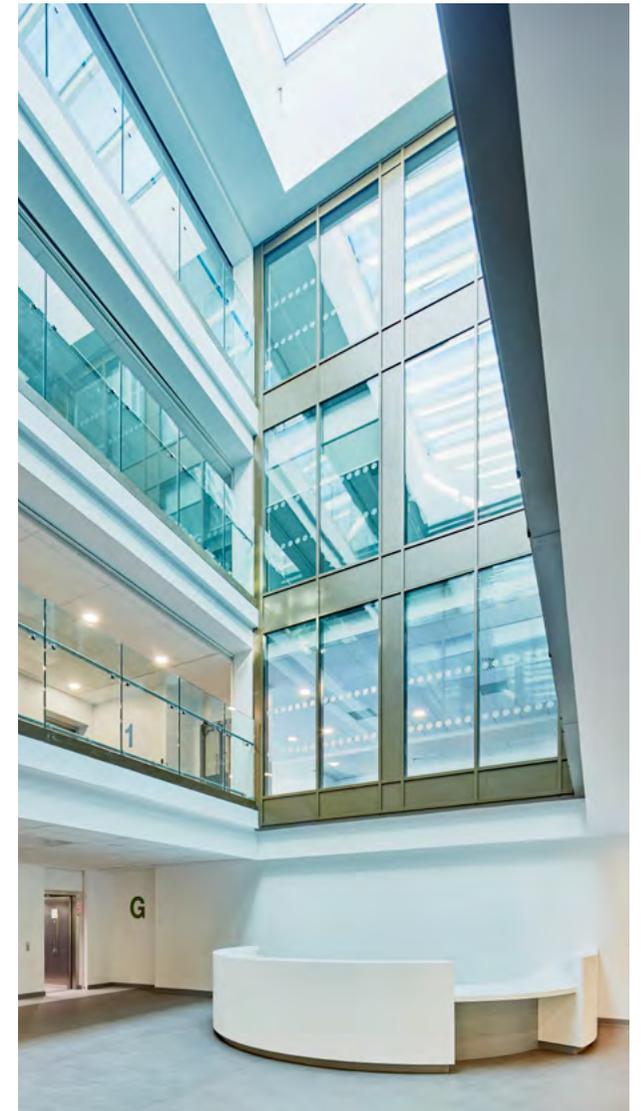


Many people have commented just how impressed they are with the development of the old hospital site. We congratulate you and your colleagues on your achievements which have so clearly enhanced this historically significant corner of Altrincham.

Burgess Kenneth Garrity – Provost of Altrincham

A new public square has been created by pedestrianising the adjacent street, linking it to the historic market, and integrating with the broader town centre.

A sculpture referencing both the library and healthcare functions of the building forms a focal point of the scheme.



HORWICH HEALTH AND LEISURE HUB

Client: Bolton CCG
Location: Horwich
Status: Planning

A new multi-purpose primary care health and wellbeing hub. The co-location of two of the three GP practices in Horwich, with additional services to be provided from the Royal Bolton Hospital Foundation Trust Community Services and the Integrated Neighbourhood Teams.

The proposed building has 30 clinical rooms and ancillary accommodation. The designs feature an inner courtyard to maximise natural lighting inside. An in-house pharmacy, community services and treatment rooms would be based on the ground floor.

The site takes advantage of the leisure centre opposite to provide easier access for social prescribing activities.



LITTLE LEVER LIBRARY AND HEALTH CENTRE

Client: Bolton CCG
Location: Little Lever
Status: On site

A regenerative project and integrated health hub. The new community development incorporates 3 GP practices providing routine primary medical services and support for long-term conditions as well as offering access to a wider range of other primary care services such as clinical pharmacists, physiotherapists and mental health practitioners.

The colocation of these services creates an asset for engagement and an opportunity to proactively prevent illness and avoid unplanned admissions.

The project responds to the local area's demand for community-led spaces, publicly-accessible computer facilities and flexible spaces suitable for all.



PRINCEWAY HEALTH CENTRE

Client: Cityheart
Location: Frodsham
Value: £7m

The Integrated Resource Centre is situated in the heart of Frodsham. Incorporating a primary healthcare facility, the formation of a new public square and the enhancement of the adjacent public realm.

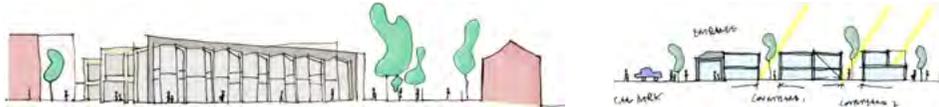
A new covered 'street' has been included both to satisfy the linkages with the existing leisure centre and to improve connectivity across the site when approaching from both the North and South.



WITHINGTON PRIMARY CARE HUB

Client: South Manchester CCG
Location: Withington, Manchester
Status: Feasibility

The outline business case for an integrated primary care hub. Plans include for two GP practices, a neighbourhood team, city council offices, a pharmacy and cafe.



MENTAL HEALTH & SOCIAL CARE

ATHERLEIGH PARK

Client: North West Boroughs
Healthcare NHSFT
Value: £40m
Status: Completed

Atherleigh Park is a five-ward mental health hospital in Leigh, Wigan, that has set a new standard for mental healthcare excellence in the UK.

The facility is designed in line with the latest best practice guidance for mental health units. Clinical accommodation is situated on the ground floor, with a maintenance access gantry in the roof void.

The facility has a total of 90 bedrooms. There are 48 en-suites (20 male acute, 20 female acute, 8 bed mixed), a 26-bed unit providing short stay intermediate care for patients with dementia and memory conditions, and a 16-bed unit for older people with mental health issues.



If it wasn't for the signpost telling you it was an NHS building, you'd think it was a hotel. The architects, staff, patients and the community have worked together to completely change how this hospital works and feels. The rewards are already being seen, with people getting better quicker.

Radio 5 Live's Nick Garnet

Post-occupancy findings:

- 23.5% more in-patients treated in 8.4% more beds
- 28.8 days length of stay reduced to 28.1 days
- 100% patient satisfaction
- 10% lower staff absenteeism
- 8/10 score (Very Good) for service user experience and satisfaction.



K BLOCK REFURBISHMENT

Client: Manchester
University NHSFT
Value: £2m
Status: Completed

Refurbishment of an existing multi bedded, low secure, mental health facility into a single bedroom low secure unit.

The brief was to deliver an intensive, comprehensive, multidisciplinary treatment facility for patients who require a provision of security. A primary aim was to achieve a good level of privacy and dignity within a mixed use unit, with the creation of 33 single beds and separate lounges across the two wards.

AFL has provided a safe, warm and comfortable environment for all future service users. By personalising individual spaces using creative space planning, a sensitive interior design scheme and using innovative components, they have achieved a welcoming modern environment that makes both staff and service users feel valued.

Andy Morris Head of Capital, Estates & Facilities

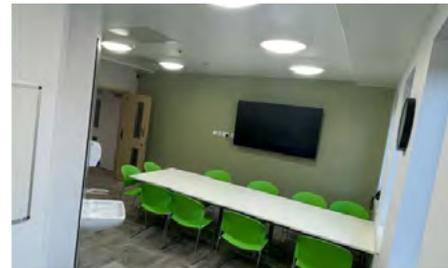


PENNINE CARE S136 AND THERAPY HUB

Client: Pennine Care NHSFT
Status: Complete

Working across five sites within the Pennine Care NHS Foundation Trust Estate, the S136 units were designed to provide a calming, reassuring place for patients. They are all compliant with Trust Building Notes to ensure standardisation and consistency, as well as current best practice guidance for S136 facilities.

The Moorside Ward Eradication of Dorms Project was carefully phased to keep the Adult Acute Mental Health Ward live throughout the construction period. This project saw the dormitory style accommodation transformed into 10 new single en-suite bedrooms. It also included the creation of a new therapy hub consisting of a gym, activity room, sensory room, OT kitchen and the upgrade of the day space.



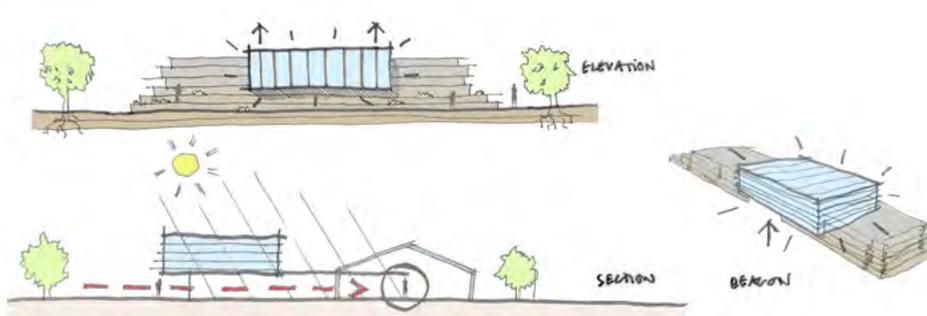
MENTAL HEALTH UNIT

Status: Concept

Feasibility for a new mental healthcare facility that offers a therapeutic environment with the correct levels of safety, privacy and dignity including single bed, single sex in-patient adult acute wards. All clinical accommodation is located on the ground floor with dedicated parking for all service users and staff.

The design was driven by a number of key factors:

- Improving the patient experiences and staff effectiveness
- A building that de-stigmatises mental health
- The feeling of a 'community' building rather than a hospital



PSYCHIATRIC INTENSIVE CARE UNIT

Location: Buckton
Status: Feasibility

Feasibility for a new PICU building that will sit on the site of a former decant ward. Designed to NAPICU guidance, the building would reduce the fragmentation in the care pathway therefore improving continuity of care.

Optimal recreation, therapeutic activity and engagement spaces have been provided as well as external space. The aim is to soothe, deescalate deep distress and improve the patient experience.



RESEARCH, EDUCATION, TRAINING AND SUPPORT

LEARNING AND DEVELOPMENT CENTRE

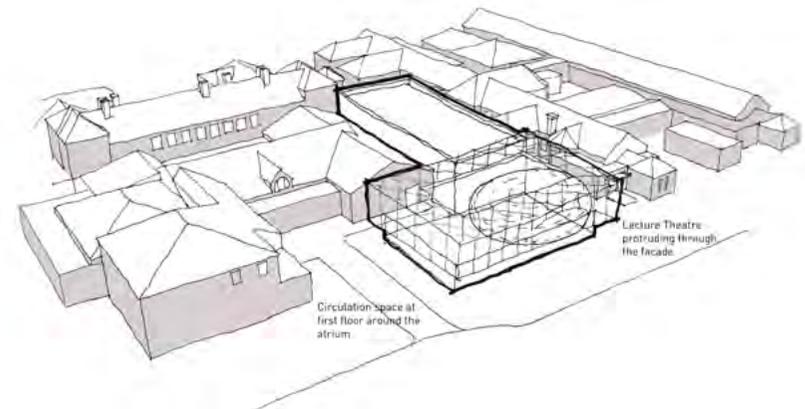
Client: Liverpool Heart and Chest
Location: Liverpool
Status: Design

A combination of a state-of-the-art teaching facility and a professional research base.

Utilising a variety of complementary materials, the high concept design responds positively to the surrounding buildings and slots comfortably into the existing site.

Our vision is of a heart within a ribcage, expressed as an ovoid lecture theatre pod encased within an array of structural glulam.

The white elements provide shade and prevent excessive heat gains whilst the lecture theatre pod's smooth design serves as dynamic contrast to the bold vertical lines of the exterior.



NATIONAL BREAST IMAGING ACADEMY

Client: Manchester
University NHSFT
Status: On site

A two-storey extension to one of the largest and most prestigious breast units in the UK, the Nightingale Centre. The development provides ground floor breast imaging clinical accommodation, a dedicated clinical training facility together with seminar and teaching spaces.

Additional works include external plant, chiller and cycle store within the grounds, landscaping and boundary treatment, with a living wall to the front elevation.



SCHOOL OF ONCOLOGY

Client: The Christie NHS
Foundation Trust
Location: Manchester
Value: £2M

The Christie School of Oncology brings together professional education, pre-registration educational training and learning, and development activities at The Christie into one academic structure.

The project formalises the Trust partnerships with higher education and provides a platform for the growth and development of cancer education at The Christie and beyond.



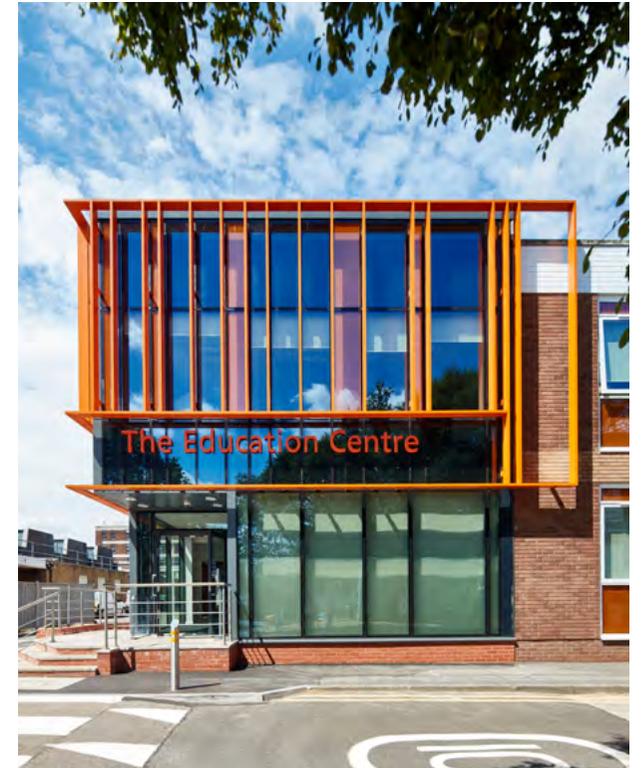
SANDWELL MEDICAL EDUCATION CENTRE

Client: Sandwell and West Birmingham
Hospitals NHS Trust

Status: Complete

The new state of the art facilities reflect and promote the Trust's commitment to their high levels of education, learning and development.

The existing centre has been modernised and extended to increase the number of lecture theatres, whilst reconfiguring the existing layout to provide more clinical skill labs.





AFL

architects



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Architecture For Life