Capability Statement AHR Building Consultancy 2023



Net Zero and Decarbonisation



We are committed to a sustainable, net zero carbon future

Net Zero and

Decarbonisation

Shaping places that make a positive impact

We believe in the power of places to shape better lives for the people who use them. We are driven to deliver healthier, safer and smarter buildings and spaces that are friendlier to the environment.







Introduction	02
Whole Life Approach	04
Our Offering and Services	06
Project Experience	12
Commitment to Sustainability	20
Design and Innovation	22
AHR Profile	24
Multi-Service Approach	26
Contact Us	28

02 Net Zero and Decarbonisation

Introduction

80% of the buildings that will be standing in 2050 have already been built. To meet net zero carbon deadlines, decarbonising our existing buildings is a priority.



/HR

Introduction

As building consultants, we are passionate about our responsibility to assist our clients on their journey to decarbonise their existing building stock.

Ultimately, we aim help them to achieve carbon neutral or carbon negative built assets in line with the UK's net zero targets.

We reduce energy consumption of existing buildings by focusing on a fabric first approach and improving thermal efficiency by the introduction of sustainable features and systems.

Our key considerations are:

- Global warming and climate crisis
- The Paris Agreement
- Net zero carbon by 2050, or by 2030 where possible
- 80% of today's buildings will still be in use in 2050. It is therefore important to update and decarbonise our existing building stock
- Retrofit will play a major part in achieving government targets



Samantha Smith Director

0161 828 7900 samantha.smith@ahr.co.uk



Lee McDougall Director

01484 537411 lee.mcdougall@ahr.co.uk



Katrin Dietrich Director

01484 537411 katrin.dietrich@ahr.co.uk



Gary Adams Senior Building Surveyor

0117 929 9146 gary.adams@ahr.co.uk

A framework to achieving a net zero carbon building

Sustainability has long been central to the ethos of our practice and this is manifested throughout our projects and working practices.

3 Net Zero and

Decarbonisation

We focus on three connected pillars that, together, work to improve the lives of individuals and communities, support long-term economic efficiency and address the climate crisis to protect our planet for future generations.





VHS

Establish scope / analysis existing building / estate

• AHR Retrofit Toolkit to analyse estate

- Construction and building product identification assess existing construction: age, construction methods, u-values, airtightness, thermal bridging etc.
- Operational energy gather information on operational energy use, utility bills, meter readings, BMS information, base load consumption analysis (monitoring spikes)
- Improve measurement and transparency monitoring of energy used and produced and assess opportunities for optimisation
- Assess constraints listed status, incoming supplies capacity, structure etc.

Embodied Carbon Impact of Existing Building

- Whole life carbon assessment 'One Click
- Identify embodied carbon for benchmark purposes
- Assess embodied carbon of potential interventions (embodied and whole live carbon assessment)
- AHR Retrofit Toolkit to analyse the building

Reduce operational carbon (fabric first approach)

- Building fabric improve fabric efficiency
- · Improve airtightness and thermal bridging
- Manage / optimise in-use energy consumption
- Zoning optimise zoning to reduce energy demand
- Reduce energy demand and consumption (LED / ASHP/ground source heat pumps/boilers with improved efficiency)

Increase renewable energy sources

- PVs
- Ground source
- Air source
- Wind
- Hydrogen

Offset carbon

- Use recognised offsetting framework
- Carbon share

04 Net Zero and Our Offering Decarbonisation and Services

Helping to support your sustainability ambitions

At AHR, we offer a range of comprehensive decarbonisation services. By applying expertise, tailored solutions and innovative practices we can help to minimise energy consumption, reduce maintenance costs and promote a net zero carbon future.



/HR

Our services

- Funding / bids advise on available funding streams and bid writing support
- Condition surveys to identify decarbonisation
 opportunities aligned to asset management plan
- Decarbonisation development plan aligned to asset management plan
- **Programme of works** year / year to decarbonise existing stock, such as roofs / windows / walls / PV / boilers / lights aligned with condition surveys and maintenance plan
- **RIBA Stage 0-7** full design services for building surveying, project management, contract administration, principal designer services, including M&E and structural engineering, acoustic, via our trusted supply chain
- Cost advice
- Energy modelling
- **Statutory Applications** Planning, Listed Building and Building Regulation Applications associated with decarbonisation project
- EPC / DEC assessments
- PAS 2035 / 38 Retrofit Designer and Assessor and Coordinator services
- 3D modelling for embodied carbon calculation
- 3D modelling for material bank calculation
- **Thermal imagery** identification of fabric heat loss, missing thermal breaks, air leakage and water ingress

Our Offering and Services

04 Net Zero and Decarbonisation

Using our Retrofit Toolkit to review your assets

Our data driven Retrofit Toolkit can assist you in making informed decisions when prioritising decarbonisation plans. By utilising this tool, you can identify the most beneficial interventions for your decarbonisation strategy. Additionally, our tailored approach produces personalised results based on your specific assets.



NHR

Implementing the **Retrofit Toolkit**

To be able to produce a comprehensive set of interventions, it is a good idea to undertake a complete review of the current state of your asset or assets.

This includes assessing windows, walls, floors, roofs, heating, lighting and ventilation systems. Reviewing your overall building efficiency and it's HLFF (Heat Loss Form Factor) is critical to saving energy and can vary substantially between buildings.



Wall Fabric Upgrade

High Performance Windows

Heating System

Lighting System

Ventilation System

Roof Insulation Our Offering and Services

04 Net Zero and Decarbonisation

Transition to net zero with our Retrofit Toolkit

Even if your data is limited, our toolkit can quickly set up a framework of interventions and then we can begin to refine particular areas providing you with more accurate findings for each.



Retrofit Development Plan **Unlocking Net Zero**

- Use AHR Retrofit Carbon Tool to provide a carbon model of campus / estate buildings
- Identify funding streams and bid support to implement retrofit decarbonisation development plan
- Analyse existing fabric, services (condition surveys) and building utilisation
- Identify opportunities for improvement embodied carbon tool, thermal imaging / mapping to identify leakage
- Assess electrical capacity of existing facility load monitoring



/HR

- Monitor base load consumption
- Assess existing monitoring and controls
- Assess opportunities for introduction of renewable
 energy sources
- Provide what would improve the DEC rating and hence reduce carbon
- Produce a report to document opportunities
- Prepare Retrofit Decarbonisation Development Plan and funding options (whole life carbon approach – energy efficiency targets, robust requirements)

Our experience in the delivery of decarbonisation projects spans a variety of clients and a wide range of sectors.

We have successfully delivered schemes on behalf of education clients such as schools, academies, colleges and universities, as well as within the residential sector, working with housing associations and local authorities on both low and high-rise buildings.



01 WDH - Various projects







WDH - Limepit Lane, Wakefield We led the delivery of capital works which included improvements to approximately 200 properties. Works included roofing works and improved loft insulation, together with EWI installation.

WDH - Queens Park, Airedale

We delivered this scheme to install external wall insulation to approximately 70 properties in the Queens Park area of Airedale.

WDH - West Bretton, Wakefield

The aim of the West Bretton project was to alleviate fuel poverty and reduce carbon. As part of this project we fitted PV panels and ASHPs to a number of semi-detached properties in West Bretton, replacing existing oil fired and coal fired heating systems. This followed on from previous fabric improvements already undertaken by WDH such as replacement windows and reroofing including improved roof insulation.

WDH - Priory Road, Featherstone

We led the delivery of capital works which included improvements to approximately 200 properties. Works included roofing works and improved loft insulation together with EWI installation.

WDH - Hastings Walk, Castleford As part of this initiative, and our ongoing long-term relationship with WDH, our building consultancy team was appointed as lead consultant to deliver energy efficient solutions to four of their bungalows on Hastings Walk in Airedale, Castleford. We installed air source heat pumps (ASHPs) and photovoltaics panels (PVs) as part of the housing associations' wider ongoing retrofit decarbonisation scheme.

WDH - Watling Road, Airedale

This scheme involved capital works across approximately 100 properties. Works involved a combination of EWI installation and reroofing (including improvements to loft insulation) to improve the thermal efficiency of the properties.

WDH - Tombridge Crescent, Pontefract

We were appointed at Tombridge Crescent, Kinsley, Pontefract as building surveyors across approximately 70 properties. The scheme involved reroofing (replacing both pitched and flat roofs), external wall insulation, and repointing to external facades, improving the thermal performance and energy

V-15

efficiency of the properties involved.

We also acted as the Building Owner's Surveyor on Party Wall issues, and as Technical Adviser on the scheme. The project is valued at approximately £2m, split across two phases.

The commission was appointed through a three-year single source framework that we have been appointed to, covering WDH's £20 million capital works programme and Independent Living Schemes, involving a £6 million annual programme.

We have undertaken a range of work across their large portfolio, including managing multidisciplinary services, condition reports, design services, project management, planning and building regulations applications and liaison with authorities, site supervision, etc.

Many of the improvements delivered to these properties are focussed on improving energy efficiency, reducing carbon use and implementing environmental improvements, with measures including external wall insulation, installation of new doors and windows to achieve air tightness improvements, reroofing including increasing the thickness of loft insulation, and the installation of positive pressure units to reduce mould growth and condensation.

Net Zero and Decarbonisation Project Experience





01 Fleete Group Ltd – EV Charging Concept Illustrations 02 Sacred Heart Catholic Primary School, Sheffield

03 Notre Dame Sixth Form College, Leeds







Enquire Learning Trust – ASHP Heating Replacements

The Enguire Learning Trust (ELT) has a family of 30 primary schools across the north of England. In line with their ambitions to decarbonise their school estate, they are undertaking works to improve the fabric of their buildings in a bid to reduce heat losses, increase heat recovery, and switch from oil-fired heating to energy efficient technologies. The switch from oil to sustainable alternatives is hoped to result in GHG reductions of around 40 tCO2e per year.

Key decarbonisation implementations on this scheme included:

- Undertook feasibility studies to support the bid to the Public Sector Decarbonisation Fund
- Replaced the existing oil-fired boilers with new sustainable air source heat pumps (ASHPs) at Eastfield Primary Academy
- Replaced the existing gas-fired boilers and water heaters with new sustainable air source heat pumps (ASHPs) at Stakesby Primary.

Diocese of Hallam, Sacred Heart Catholic Primary School, Sheffield

We were commissioned by the diocese to provide a number of services to this primary school. Phase one involved reducing the school's energy consumption by:

- Installing super insulating pitched roofs
- Reducing air infiltration
- efficient units Improvement works to the heating system by providing highly efficient heat pump system from the government approved ECA list, with back up via condensing boilers

heating system.

Fleete Group Ltd – EV Charging **Concept Illustrations**

We were delighted to be appointed by Fleete Group to act as design consultants to provide concept illustrations to showcase their membership models for their commercial EV facility offerings. We were tasked with providing two images for each of the group's offerings which include charging depots, charging hubs and an intercity network. Each facility had a specific brief for the creation of the illustrations, but all included the general requirement of showcasing a mix of electric vehicles, a focus on the charging facilities and of evoking a sense of movement and vibrancy.



Replacing windows with new energy

and hot water is provided via a solar

Diocese of Leeds, Sacred Heart Catholic Primary School, Leeds

We were commissioned to undertake significant refurbishment and modernisation of this building on a phased basis over a period of past six years. Although the works were principally condition driven, we have in conjunction with the governors made the reduction of carbon energy usage and carbon emissions a cornerstone of each scheme.

- Decarbonisation works included:
- Renewal of existing flat roof coverings with high performance warm deck systems
- · Replacement of windows with new energy efficient double glazed units
- · Renewal of the boiler and hot water plant with highly efficient condensing boilers and optimised control system.

Notre Dame Catholic Sixth Form College – New Teaching Block

As project manager, we led a multidisciplinary team to deliver the four-storey extension at the college. We also acted as principal designer and contract administrator, as well as delivering in-house geomatic consultancy services such as a topographical survey. The project included energy efficiency savings, achieved by the installation of new solar (PV) panels to the main college building.





- 01 South Crosland Junior School, Huddersfield
- 02 Calderdale Council, Beech Hill Estate
- 03 Diocese of Manchester, St Paul's CE Primary School
- 04 Batley CE Primary School (Before)
- 05 Batley CE Primary School (After)

Roof Refurbishment Comparison Existing Vs New



Annual Energy Consumption

03







South Crosland Junior School -**Decarbonisation Works**

South Crosland Junior School is a voluntary aided primary school in Huddersfield. Building on their initiative to decarbonise their school estates, we were appointed to act as project manager, contract administrator and principal designer on a scheme to replace the existing oil-fired boilers, which had reached the end of their serviceable life.

The heating system was replaced by sustainable air source heat pumps (ASHPs). Associated works included replacing the heating distribution pipework and radiators in order to suit the lower circulation temperatures generated by the new heat pumps.

Diocese of Manchester, St Paul's CE Primary School -Reroofing (Phase I)

St Paul's Church of England Primary School in Walkden, Manchester, is a co-educational primary school which caters for both boys and girls, from nursery through to Year 6. The existing roof was beginning to show signs of failure and was suffering from a range of water ingress, sunken insulation, and ponding water issues.

Diocese of Leeds, Batley Parish CE Primary School – Reroofing Works Following securing £141,000 from the School Condition Allocation Fund (SCA), the academy commissioned us to undertake the role of lead consultant and contract administrator on a project to deliver reroofing works to their main school building.

The new roof system helps to reduce future maintenance costs, whilst also provides a number of sustainability benefits, including:

- Net savings of 61% each year in CO2 emissions
- A net reduction in energy consumption of 61% per year
 - Enhanced thermal efficiency with a significant improvement to the U-value of the roof (from 1.75W/m2K to 0.18W/m2K)

Calderdale Council, Beech Hill Estate – Decarbonisation Works

Following successfully securing £1.2m from the government's 'Getting Building Fund' via West Yorkshire Combined Authority, Calderdale Council commissioned a £2.3m 'Group Repair Scheme' at the Beech Hill housing estate, near Pellon Lane in Halifax. A key project aim was to create low maintenance dwellings that responded positively to the climate emergency and combatted challenges with heat retention, in order to reduce energy consumption and, in turn, the tenants' energy bills.

Decarbonisation measures we implemented on this project:

- Improved the thermal performance of the houses by using renewable technologies
- · Replaced flat roofs with traditional pitched roofs
- Provided new energy efficient windows and doors
- Upgraded the existing cladding to improve thermal performance and bring EPC rating up to standard
- Installed Photovoltaic (PV) solar panels to houses that were eligible under the Green Homes Scheme

This scheme achieved the following key outputs:

- A reduction in carbon dioxide emissions by 3,705 tonnes of CO2 over the lifetime of the measures
- A reduction in tenants' energy bills
- Improvements to the public realm surrounding the properties to enhance the appearance of the area
- An improved sense of well-being and community for the neighbourhood
- The creation of five construction jobs
- The delivery of energy efficiency home improvements to 70 properties

05 Net Zero and Project Experience





01 Building Safety Act Conference (October 2023)

- 02 NOVA Development, Manchester
- 03 Buxton House,, Huddersfield
- 04 WDH, Wakefield





Kirklees Council – Buxton House Redevelopment

We are appointed to lead a team for the design and remodelling of Buxton House, a residential high-rise block in Huddersfield town centre. The works will bring the building standards up to meet current fire and building safety regulation, enhance thermal efficiency and create 40 one and two-bedroom apartments that meet minimum space standards. Buxton House was built in 1968 and currently comprises on 57 dwellings.

Due to the age of the tower block, it has suffered several maintenance issues such as leaks to the roof, damp penetration and poor thermal efficiency, all of which the redevelopment will address in order to improve the well-being and health of the tenants. External remodelling works are also to be carried out.

Wolverhampton City Council – Heath Estate

Wolverhampton City Council and Wolverhampton Homes are working together to regenerate the Heath Town Estate. They aim to improve the appearance of the area, create high quality new homes, and make the large residential estate a better place to live, as well as improving thermal efficiency. As part of the programme, we were commissioned to create as-built BIM models for 36 existing blocks of social housing flats, ranging from double storey to 18-storey.

Swansea City Council – Matthew Street Apartment Blocks

As part of Swansea City Council's programme to upgrade their social housing stock of 1960s tower blocks, we undertook a Scan to BIM and condition survey of 11-storey buildings with flat felted roofs. We used a laser scanner to produce a BIM model, capturing the interior and exterior of the apartments. These scans were then used to track the divergence of the external façade, supporting the recladding.

A fabric condition survey was also undertaken, recommending repairs and necessary maintenance works. We then oversaw the recladding of the towers, as well as the refurbishment of the kitchens and bathrooms of the 120 apartments, providing eight new flats to the ground floor.

Hydrock Building Safety Act Conference, Birmingham

In line with the Building Safety Act being fully implemented in October 2023, we were invited to share our expertise at a conference hosted by engineering design, energy and sustainability consultancy, Hydrock. We shared our insight and experience of the new legislation, using our retrofit project at Buxton House as an 'in practice' case study. The conference was attended by approximately 140 people, all seeking practical guidance on the Act and to ensure their compliance.

/H



WDH – Cladding and Insulation

We led the review of cladding/external walling insulation for several buildings owned by WDH, working with a specialist fire consultant, we reviewed the following sites:

- Kirkgate four twelve-storey highrise apartment blocks above TheRidings shopping centre, constructed between 1968-1972
- Low Cross Court a nine-storey residential accommodation building, built in 1964
- Navigation House & Merside Court – two low-rise offices, occupied by WDH.

The survey programme reviewed the construction of the cladding/external wall insulation and tested the materials used in the external wall construction, assessing whether the buildings met the necessary Building Regulations and current guidance.

NOVA Development, Manchester

Our geomatics consultancy team were commissioned to support the NOVA Development in Manchester through the provision of Scan to BIM surveys. Commitment to Sustainability

Net Zero and Decarbonisation

Our commitment to sustainability is shared by everyone at AHR

We focus on making a positive impact on the future and this runs throughout all our projects and working practices.

Our aim is to leave the world better than we found it, by delivering places that are unique, healthy and inspiring additions to the built environment.



zero

CO

On track to become a carbon neutral business

We believe a more sustainable future starts with us and have put in place a carbon reduction plan that will see us become carbon neutral by 2030. We are on track to achieve this goal and from there will navigate our way to Net Zero Carbon by 2050.

Developed our Zero Carbon Today Methodology

Invaluable first-hand experience within our own business and across projects., has informed and developed our Zero Carbon Today Methodology – an achievable, design led solution to reaching Net Zero Carbon across new-build and refurbishment projects, now.

Expertise across recognised sustainability standards

We have expertise across a range of recognised standards including, BREEAM, LEED, WELL, Passivhaus, NABERS, BRE and DEC. With in-house Passivhaus certified designers across all our UK offices, we support our clients and apply these principles whether full accreditation is required or not.



We regularly contribute to sustainability conferences, from technical papers to educational talks. We also champion industry initiatives that align with our ethos and have added our support to these two key manifestos.

New technologies and innovative design

Harnessing innovation is vital in unlocking the solutions that will help us reach sustainability targets. We continually embed new technologies, tools and materials into our designs and services. We push boundaries and re-imagine the way we shape new or existing places.

Restoration, regeneration and self-sustaining roles

Backed by robust and carefully planned strategies, we are aware of the need to future-proof buildings. Strategies include reducing energy consumption, managing usage, the reuse and repurpose of existing environments, re-greening of towns and cities and promoting sustainable travel,

Openly sharing knowledge with our industry

We believe a collective industry effort to deliver sustainable places will drive change. As we monitor, measure and react to our impact on sustainability, we not only use this insight to inspire our own future work - but openly share what we have learnt and encourage others to do the same.



07 Net Zero and Design and Innovation

Providing an effective understanding of our designs

Almost two decades ago, we invested significantly in Building Information Modelling (BIM) and have delivered the majority of our schemes in that format ever since.

Our early adoption has enabled us to become a market leader in BIM implementation and we lead best practice across the industry.





BIM Expertise

Having first implemented BIM in 2004, in 2017, we became the first architecture-led practice to be BIM verified by the BSI. We hold BS EN ISO 19650-2:2018 and continue to invest in and utilise our extensive experience in the use of BIM to advance our offering to clients.

Our BIM models deliver significant benefits, both as a 3D model for design, communication and co-ordination but also for the data embedded within them, for costing, procurement and in the long-term maintenance and asset management.

Our environments are populated with furniture, scale and functionality, allowing everyone to understand the space we are creating. Via screen-share and virtual conference, we can vary our environments live with our client, enabling the team to experiment with material choices, the location of objects, trial structures and more.

Our CDM (Construction Design Management) hazard identification and tracking is managed through our models, ensuring all identified risks are visible to all throughout the design process until they are designed out or reduced to an acceptable level. Residual risks are retained within handover models ensuring the data is not lost in line with the principles of the Golden Thread.

We are experienced in the use of a variety of coordination and collaboration platforms which allow us to quickly identify, track and resolve potential clashes and design issues throughout the design process. Our clients and the wider team all benefit from regular output reports providing transparency and assurance of the team's coordination processes.

BIM and VR

Through the combination of BIM and gaming technologies we are able to create collaborative, interactive 3D environments, fly-through models and 360 models, to support stakeholder engagement, provide effective testing capabilities and give greater understanding of our designs.

BIM Data and MMC

BIM data may be used to prototype and test components before being used to inform the offsite manufacturing machinery. By front-loading the majority of project work in the off-site manufacturing process, we can vastly reduce construction times and help towards de-risking projects.

/H

BIM Level 3 and Digital Twins

We harness the potential of the digital twin through the utilisation of BIM throughout the project lifecycle. By using BIM data effectively - our design teams inputting the right data, at the right time, all the time – not only can cost and time efficiencies be achieved in the design and construction phases, but also in operation. When a project information model is augmented with maintenance, operational and sensor data, we can optimise and improve the performance of the built asset throughout its operational life.

Digital Assets and Estates

We understand the value of digital asset management and the potential benefits this can bring to our clients. We also understand the challenges involved in the exchange of appropriate datasets between the Capex and Opex phases of an asset's lifecycle. Having experience in this with a wide range of clients and project scales, we are perfectly placed to advise and assist in this area. We see digital asset management as the next evolution of BIM and strive to unlock its potential wherever possible.

Golden Thread Development

Our BIM experts are actively contributing towards the development of the requirements of the Golden Thread. Through cross discipline/sector workshops and collaborative initiatives we are helping to define the future direction of industry. We endeavour to promote better information management and transparency of design decisions through the wider adoption of BIM and associated technologies.

Geomatic Consultancy

Our digital services are further strengthened by our Geomatic Consultancy team, who through the use of 'Rapid Capture' software are able to provide virtual tours and schematic plans of building designs that not only enable us to 'visit' the building remotely but improve efficiencies with key points tagged with information. We also offer Cloud Point Surveys and Matterpoint Images for analysis and design of existing buildings.

8 Net Zero and Decarbonisation AHR Profile

Places have the power to shape a more positive future

By embracing innovation and with expertise grounded in knowledge from two centuries of practice, we deliver healthier, safer and smarter buildings and spaces - in ways that promote inclusivity, achieve social value and are more sustainable.



How we work

We act responsibly

We are inventive

We work collaboratively

We champion inclusivity

VHS



We take responsibility for the impact of our work and the legacy we leave. Considering how our actions contribute to wider social, economic and environmental issues - and actively exploring opportunities to make a positive contribution.

We are problem solvers and love the challenge each project brings. By embracing innovation and pushing the boundaries of design, we are reimagining the way we shape new or existing spaces and enhancing the way people experience them.

We thrive on collaboration and believe that openly sharing knowledge helps generate positive change. With experts across multiple services, sectors and business support roles working together to deliver the highest quality projects and client service.

We continually strive to become a more inclusive organisation. By creating open and supportive environments where everyone's contribution is valid, we unlock creativity, inspire future generations and better understand the diverse communities we work in.

Multi-service Approach

Net Zero and

Decarbonisation

Imaginative and pragmatic inequal measures

Offering multiple architecture and building consultancy services, gives us a complete understanding of the full lifecycle of the built environment. Striking a perfect balance between the creation. restoration, regeneration and ongoing maintenance of places.







Architecture

Our architects are passionate about creating beautiful sustainable places, that function brilliantly for the people who use them, across the UK and internationally. We expertly manage projects, across a range of sectors, from concept to completion, while making the design process as inclusive as possible - engaging with all stakeholders to ensure everyone's voice is heard throughout.

Building Consultancy

Our building consultancy team is driven by seeing the positive impact of our work. With skills and expertise that cover the full range of the built environment, from advising on new buildings to refurbishing existing spaces, we offer a comprehensive set of specialist services. We embrace innovative tools and technologies that allow us to find inventive ways to assess and reimagine all kinds of sites and structures.

Building Surveying

Our team of building surveyors are dedicated to helping clients protect, care for and manage their properties long-term. We provide a full range of services designed to minimise potential challenges and keep projects on track. We identify any issues and find opportunities for improvement. Providing in-depth reports and clear advice that always comply with all the latest regulations.

Conservation and Heritage

Our specialist conservation and heritage team is passionate about giving new life to the places and spaces forged in the past - making them relevant and functional for today. We identify whether existing infrastructure still has a role to play and prioritise restoration making them fitfor-purpose wherever possible - all the while remaining sensitive to the original design features.

Design and Contract Management

Our teams of chartered building surveyors have the expertise to providing a range of specialist services that include the protection, management and development of individual properties and whole estates. We work across all building types, old and new, including extensions, maintenance and repairs, remodelling, conservation, building works and refurbishments.

Geomatic Consultancy

With pinpoint accuracy and meticulous attention to quality, our geomatic consultancy team embrace the latest tools to produce immersive experiences for our clients. They can use the data to provide intelligent, cost-effective facilities management and inform maintenance strategies. The collection of spatial statistics and geographical information, helps us inform the most appropriate solutions bespoke to each project.

Interior Design

Our interior designers create beautifully imagined, highly functional spaces that enhance people's experience and considers everyone's health and wellbeing at every turn. Our fully integrated design approach includes fit-out, refurbishment, space analysis and planning, workplace strategies, wayfinding, FF&E (Furniture, Fixtures and Equipment) and bespoke furniture design.

Landscape Design

We consider outdoor spaces as an essential part of meaningful placemaking. Our landscape architects deliver solutions that help to define the character of a space and beautifully integrate with the surrounding architecture, to enhance day-to-day life. we foster greater connections between people and nature and understand the wider benefits of this in promoting environmental sustainability.

Masterplanning

Our masterplans shape the delivery of dynamic and inspiring places that embrace the ever-changing ways we live, work, socialise and travel. With the consideration of the unique context of a place and through engaging with the local community, we devise bespoke masterplans from suburban neighbourhoods to strategic regeneration schemes, residential-led developments to mixed-use projects.

Principal Designer and CDM Advisor

Acting as principal designers under updated CDM (Construction, Design and Management) regulations, we fully integrate health and safety throughout the design and construction process. Our aim is to not only make sure that all legislation is met but to add value to every project. With clients benefiting from our vast practical expertise in design, occupational safety, construction safety, risk assessment and end-user documentation.

Property and Asset Management

Our property and asset management team take a holistic approach, drawing on our multidisciplinary and cross-sector expertise to offer a comprehensive range of proactive management and consultancy services including, Strategic Advice, Asset Management, Portfolio Maintenance Management and BIM (Building Information Modelling) Facilities Management (FM)

Net Zero and Decarbonisation

Contact Us

Helping your project make apositive impact

Our talented and committed team of experts are ready to take on any challenge - no matter how big, small, or complex. If you've got a project you'd like to discuss, we'd love to hear from you.



Samantha Smith Director



01618287900 samantha.smith@ahr.co.uk



01484 537411 lee.mcdougall@ahr.co.uk

Katrin Dietrich Director

01484 537411 katrin.dietrich@ahr.co.uk

Business Development Director

jonathan.thacker@ahr.co.uk

Jonathan Thacker

01484 537411





Gary Adams Senior Building Surveyor

0117 929 9146 gary.adams@ahr.co.uk

Working across nine **UK** offices



Birmingham Alpha Works Alpha Tower Suffolk Street Queensway **Birmingham B11TT** T 0121 456 1591

Bristol Vintry Building Wine Street Bristol BS12BD T 0117 929 9146

Cardiff Brunel House Fitzalan Road

Cardiff CF24 0EB T 02922 930 890 Glasgow Savoy Tower

77 Renfrew Street Glasgow G2 3BZ T 0141 225 0555

Huddersfield Norwich Union House **High Street** Huddersfield HD12LR T 01484 537 411

Leeds No. 1 Aire Street Leeds LS14PR T 0113 243 9794

London 24 Greville Street London EC1N 8SS T 020 7837 9789

Manchester

5th Floor 55 Princess Street Manchester M2 4EW T 0161 828 7900

Shrewsbury

First Floor Victoria House Victoria Quay Shrewsbury SY11HH T 01743 283 000





Manchester

Leeds Huddersfield

Birmingham

Shrewsbury

Bristol 🛛 🛑 London

Cardiff



We approach every project with the same commitment to quality, excellence and integrity in all we do.