



Local Authority + Public Buildings




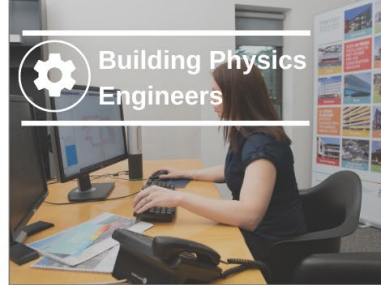



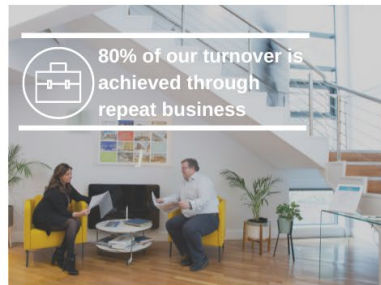
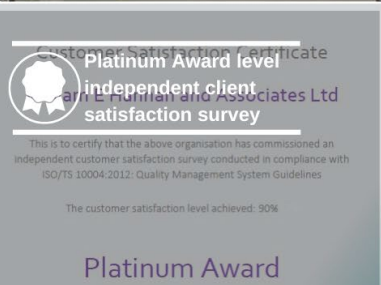













Hannan
Associates
MEP Design Solutions

Introductions.....

Hannan Associates is an engineering consultancy formed in 1983 to provide MEP Design Solutions to the Construction Industry.

We pride ourselves on delivering our service with a higher level of personal attention than larger competitors but providing a comparable strength of management, process discipline, expertise and creativity.

We focus on building services and deliver projects valued in excess of £500m with national and international design teams. We work in a range of sectors with projects of varying sizes, providing us with good market resilience and an exceptional breadth of track record and design competence.

 MEP Engineering Consultants 	 Sustainability Consultants 	 BREEAM Assessors & Accredited Professionals 	 Building Physics Engineers 
 CIBSE Low Carbon Consultants & Energy Assessors 	 Founded in 1983 - 40 years old Hannan Associates MEP Design Solutions 	 Head office in Denton, Manchester 	 80% of our turnover is achieved through repeat business 
 Platinum Award level independent client satisfaction survey <small>This is to certify that the above organisation has commissioned an independent customer satisfaction survey conducted in compliance with ISO/TS 10004:2012: Quality Management System Guidelines</small> <small>The customer satisfaction level achieved: 90%</small> Platinum Award	 Experts in the Commercial, Residential, Industrial and Stadia Sectors 	 ISO 9991 Quality Assurance Certified ISO 9001 REGISTERED <small>This document certifies that the quality management systems of</small> WILLIAM E. HANNAN & ASSOCIATES LIMITED Beta House, Alphagate Drive, Manchester Road, Denton M34 3SH	 Working throughout the UK & internationally 

Our Team.....

The Hannan team is led by long standing directors Ian Joyce, Jamie Hall and John Walker.

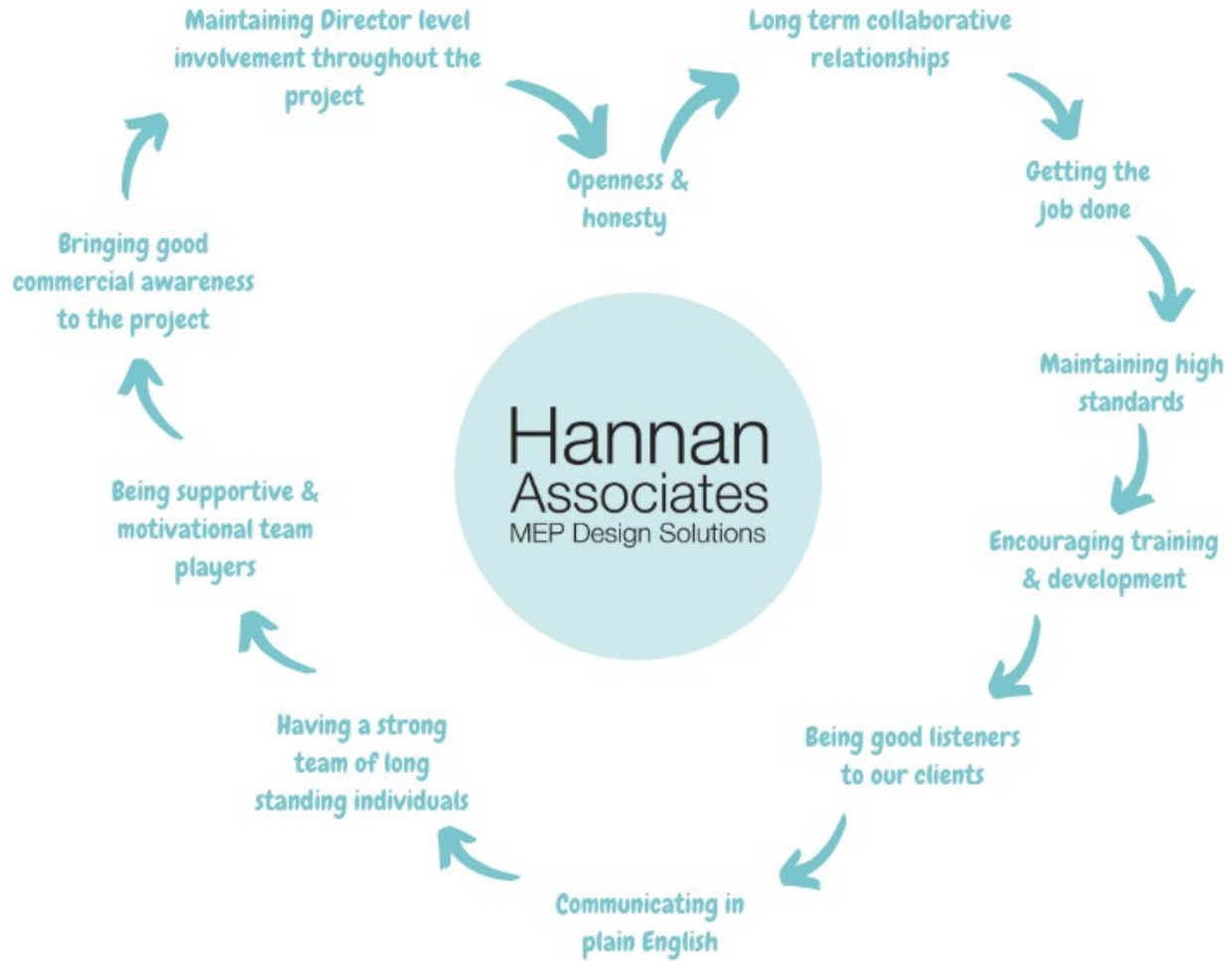
The development of the company has been aided by a strong, long serving work force through which we have developed lasting relationships with our clients, ensuring that 80% of our turnover is achieved through repeat business.

We recognise that we cannot do this without the support and enthusiasm of all our team members and we therefore endeavour to maintain the highest levels of team work and co-operation and develop staff that possess well founded self-belief who will act with diligence and integrity on behalf of our clients.

Many of our engineers have worked together over a long period of time, some for over 25 years, completing many successful projects together. Treating each project as unique we handpick each team to collectively possess the skills and range of experience needed to succeed, whilst creating a dynamic environment that encourages creativity.



We love ...



What we do.....

In essence we provide MEP Design Solutions to the construction industry. We have been doing this since 1983 so we're pretty good at it. Here are some of the ways we can help you...

A

Acoustics
AV Systems

B

Building Health Checks
BREEAM Assessment
BREEAM Accredited Professional
Building Physics

C

Condition Surveys
Construction Inspection and Supervision

D

Design for Performance Modelling
DEC Certification

E

Electrical Building Services Design
Energy Audits
EPC Certification

F

Feasibility Studies
Fire Engineering

I

Infrastructure Planning and Design
Internal Environment Modelling
IT Systems Design

L

LEED Assessment
Low & Zero Carbon Strategy & Design

M

Mechanical Building Services Design

O

Operational Energy Modelling

P

Planned Maintenance
Planning Reports
Public Health Building Services Design

R

Renewable Energy Technology Feasibility

S

SBEM Calculations
Services Engineering Appraisal
Sustainability Strategy

T

Thermal Modelling

V

Vertical Transportation Design

W

Water Conservation & Compliance Audits
WELL Building Consultancy

Sustainability.....

Energy reduction, the core of sustainable design, was inherent in our building design process long before it reached the political agenda. Our sustainable credentials are therefore built upon years of experience at the forefront of low energy, low carbon solutions.

We are now at the forefront of change in relation to the way buildings are modelled to meet the demands of evolving building regulations and guidance from UKGBC and LETI, which are driving carbon targets for construction towards the 2050 net zero government commitments.

Our involvement includes pilot schemes for modelling energy and carbon in use for new buildings, such as Design for Performance (DfP) and NABERS UK and this experience enables a valuable contribution to development masterplan and individual building sustainability.

Hannans can provide sustainability advice across a wide range using in-house engineers and consultants and specialist partners where needed to define ways of achieving sustainability objectives. This includes.....

- ✓ Energy modelling and Carbon assessment of energy for building services
- ✓ Energy and carbon performance evaluation
- ✓ BREEAM assessment and BREEAM AP
- ✓ Carbon in construction
- ✓ Well Building Assessment



Net Zero Carbon Buildings: A Framework Definition

APRIL 2019

Advancing Net Zero Programme Partners

Lead Partner:



Programme Partners:



Our clients say.....

“

Hannan Associates are one of our best consultants. We have an excellent relationship with Hannan Associates who are very good team members. Their input and output are both first class. We would definitely use them again.

”

“

I've really enjoyed working with you and your team over the last 10 years. The fact that during all of my time here we have continued to work with Hannans on an increasing basis is testament to the relationship and trust that has been built. I'm sure you will continue to go from strength to strength.

”

“

Knowledgeable, commercial and capable M&E consultant. They get the job done in line with the demands of the project and are good to work with.

”

“

Very professional & client focused.

”

“

I think Hannan Associates are a brilliant company to work with. They have never let me down.

”

“

They have a no nonsense approach. Always happy to help.

”

“

I recommend them all the time. I have been using them for a some time now and never been let down.

”

“

Hannan Associates play an important role within the team, integrating well and always listening to their design team colleagues to ensure the desired client outcome is achieved.

”

Our experience

People coming together as a community can make things happen.

Public infrastructure and buildings are at the heart of every district. Over the years we have helped develop everything from police headquarters, to airports and everything in between.

Our work has helped projects make the most of public funds, bringing people together through public spaces that create value, and integration at the heart of the community.



ONE TAMESIDE, ASHTON-UNDER-LYNE

Client: Tameside Council and Robertson
Architect: Ryder
Project Value: £36 M
Contract Duration: November 2014 – May 2019



We are very pleased to have been a part of the team who delivered Phase 2 of the 'Vision Tameside' master plan set to transform Ashton Town Centre. We have been undertaking the detailed design of the MEP Services and Infrastructure, as part of which we are assisting the Council with their environmental services strategy to help them meet their aspirations to create a sustainable building.

The Tameside One development includes a new Advanced Skills Centre for Tameside College alongside a new Joint Service Centre for the Council and others partners.

The 7,000sqm Advanced Skills Centre provides a new learning and skills centre for students studying vocational subjects including: hair and beauty, hospitality and catering, bakery and confectionery, travel and tourism and business skills.

The 6,000sqm Joint Service Centre incorporates a library, customer service centre, committee and training rooms and office accommodation for the Council and partners.

This phase of the development also includes a 2,150sq.m retail space for a Wilko's store.



CONWY COUNCIL OFFICES, COLWYN BAY

Client: Conwy County Borough Council & Muse Developments

Architect: AHR Architects

Project Value: £36M

Project Duration: October 2015 – November 2018



Hannan Associates are very pleased to have been part of the team who delivered Conwy County Borough Council's new 100,000 sq ft Civic Offices in Colwyn Bay Town Centre after Muse Developments were chosen as the preferred development partner for the scheme during 2015.

The four storey, 100,000 sq ft office building has enabled the council to operate more efficiently and improve services for customers by consolidating staff and services into fewer sites.

The new building is **BREEAM 2014 Excellent** with an A rated Energy Performance Certificate. Passive design measures to reduce carbon emissions and energy consumption include enhanced insulation to the building envelope and engineered facade design.

The glazed proportion of the building façade and the central atrium maximizes natural daylight to offset the demand for lighting whilst at the same time high performance glazing minimizes thermal losses. To further reduce carbon emissions and energy consumption, the building's heating and cooling is produced via air source heat pumps, highly efficient LED lighting and roof mounted photovoltaic arrays.

The project won the 'Regeneration' category and was also shortlisted for the 'Design Through Innovation' category at the RICS Awards 2019, Wales. It has also won the 'Best Large Commercial Project' award at the North Wales LABC Building Excellence Awards 2019. It was shortlisted for a BCO Northern Award 2019 in the 'Corporate Workplace' category and an Insider Property Awards 2019 Wales for 'Development of the Year'.



BLACKPOOL COUNCIL OFFICES, TALBOT GATEWAY

Client: Muse Developments
Architect: Aedas Architects
Project Value: £17M
Contract Duration: September 2010 –September 2014



Bickerstaffe House is the 125,000 ft² HQ Offices built for Blackpool Council as part of the Talbot Gateway Development.

We were employed by Muse Developments to develop the design of the mechanical, electrical & plumbing services including the environmental services strategy to meet their development brief. The building has achieved a **BREEAM Excellent rating and an A rated Energy Performance Certificate**. We undertook Dynamic Simulation Modelling and worked closely with the design team on the incorporation of passive solar shading via vertical fins on the south-west and south-east elevations, high performance solar & fritted glazing and low air permeability in order to reduce heating and cooling loads whilst maximizing natural daylight.

Our detailed design for the MEP services further supplemented this approach by the use of air source heat pumps to provide space heating and comfort cooling, daylight dimming and occupancy control for lighting installations, roof mounted photovoltaic panels and the re-use of waste heat from the data centre. Water usage was reduced via a rainwater harvesting installation to serve the WCs within the core accommodation.



STOCKPORT EXCHANGE REDEVELOPMENT

Client: Muse Developments
Architect: RHWL Architects
Project Value: £60M approximately
Contract Duration: 2011 - ongoing



We are pleased to be part of Muse Development's team, selected as Stockport's development partner. Stockport Council bought the site in order to create a gateway from the train station to the town centre.

The development includes a high quality office quarter, an attractive public realm area, a hotel, retail units, ease of access to the town centre, and improved car parking for the station.

For Phase 1 of the development we were involved in the design of a new 1,000 space multi-storey car park.

For Phase 2, which is now complete, we were involved in the design and construction of a 50,000 sq ft office block, 115 bedroom Holiday Inn Express Hotel, new pedestrianized public space outside the train station, and a new reconfigured road layout to improve station access.

Phase 3 of the development is No.2 Stockport Exchange is now complete, a new six-storey, 60,000 sq ft, Grade A office. It incorporates environmentally friendly design features such as a green roof, photovoltaic panels, LED lighting and ultra-low water consuming fittings. Features include the use of natural daylight and enhanced fabric to minimise the building's carbon emissions, creating a reduction in its indirect impact on climate change. Our analysis of the scheme included the consideration of connecting the development to Stockport's proposed heat network.

All the buildings have been designed to achieve a **BREEAM Excellent** rating.

The scheme won in the Commercial Category at the 2018 RICS Awards, 'Public/Private Partnership of the Year' at the 2017 Insider North West Property Awards and was nominated for a 2018 BCO Award.

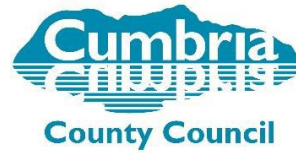


RICS Awards
2018
Winner



CUMBRIA COUNTY COUNCIL OFFICES

Client: Cumbria County Council & Eric Wright Construction
Architect: AHR Architects
Project Value: £10.4M
Contract Duration: June 2014 – September 2016



This £10.4m office building in Carlisle, is the new headquarter offices for Cumbria County Council, and will form an essential component in the council's transformation.

The aspiration of the Council was to occupy a building which is sustainable, and integrates passive design, low energy technologies and reduced maintenance requirements. In response the primary focus of the design of the building, and the associated MEP services installations was to maximise natural ventilation, natural day lighting, minimise heat gains within the building and incorporate renewable and low energy technologies in order to reduce energy consumption and the associated production of carbon dioxide.

The building services installations contribute to the overall sustainability of the building by incorporating renewable, low energy systems and sustainable technologies such as;

- Natural/Mixed Mode Ventilation
- Variable Refrigerant Flow simultaneous sheeting & cooling systems to cellular spaces
- Free cooling using outside air
- Night time cooling
- LED lighting technology
- Rainwater harvesting to serve flushing cisterns
- Roof mounted photovoltaics

The mechanical and electrical services are designed to maximise flexibility of the open plan office space and to facilitate the possible future sub division of the office area.



GMP HEADQUARTERS, ASHTON MOSS

Client: Muse Developments
Architect: AEW Architects
Project Value: Approximately £17 M
Contract Duration: January 2007 – August 2009



A new 100,000 ft² Head Quarters building for Greater Manchester Police on remediated land close to the M60.

Hannan Associates worked closely with the architects from the outset of the project to set the building at the most efficient aspect ratios and orientation to the sun to optimize energy usage. During the detailed design phase our thermal modeling results were used to determine glass and fabric materials and specifications.

This building has been awarded a Very High BREEAM rating.



DEPT. OF CONSTITUTIONAL AFFAIRS, LIVERPOOL

Client: Scarborough Developments & Shepherd Developments

Architect: JM Architects

Project Value: £20M

Contract Duration: July 2000 – August 2005



The development comprises of a quality office building totaling more than 144,000 sq ft, of which 106,000 sq ft has been pre-let to the Department of Constitutional Affairs.

The building will be used as the new Liverpool Family and Civil Justice Centre and includes 27 courtrooms, judicial offices, staff amenities and facilities and public areas. The development is situated in the prime commercial sector of Liverpool. The building provides 6 floors of offices plus basement car parking.



GMP HEADQUARTERS, ASHTON MOSS

Client: Muse Developments
Architect: AEW Architects
Project Value: Approximately £17 M
Contract Duration: January 2007 – August 2009



A new 100,000 ft² Head Quarters building for Greater Manchester Police on remediated land close to the M60.

Hannan Associates worked closely with the architects from the outset of the project to set the building at the most efficient aspect ratios and orientation to the sun to optimize energy usage. During the detailed design phase our thermal modeling results were used to determine glass and fabric materials and specifications.

This building has been awarded a Very High BREEAM rating.



ODPM FIRE CONTROL CENTRE, LINGLEY MERE WARRINGTON

Client: Muse Developments

Architect: Leach Rhodes Walker

Project Value: £12.0 M

Contract Duration: November 2004 – June 2009

A two storey bespoke building designed to accommodate a call centre the fire service with air cooled VRF heat pumps including rainwater capture for irrigation purposes.

BREEAM excellent rated and Part L2A compliant.



VULCAN HOUSE, SHEFFIELD

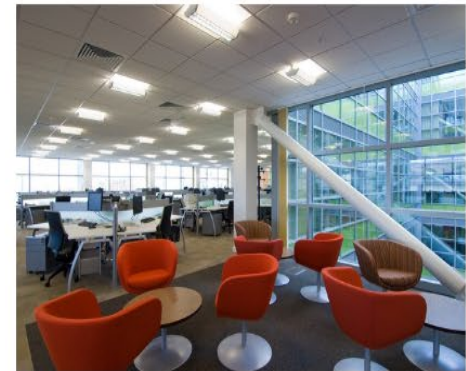
Client: Wilson Bowden Developments
Architect: Hadfield Cawkwell Davidson
Project Value: £30 M
Contract Duration: January 2006 – May 2009



Home Office

A seven storey office block of 200,000 gross square feet, complete with training facilities, public enquiry counter and staff restaurant. BREEAM excellent rated and Part L2A 2006 compliant. Features include HFC free building, utilising ammonia chillers, hydrocarbon split heat pumps to Comms rooms, DC motors on fan coil units and grey water recycling installation. Partial Sedum green roof.

It was the first Building in Sheffield to achieve a BREEAM excellent rating, and won the 2008 CCIS Award for sustainability.



NO. 1 FIRST STREET, MANCHESTER

Client: ASK Real Estate

Architect: BDP Architects

Project Value: £35M

Contract Duration: January 2007 – July 2009

We were MEP Consultants for the refurbishment and fit out of the former BT building at Grand Island, now known as No. 1 First Street.

This seven-storey, 180,000 sq ft, Grade A, BREEAM Excellent office building became home to Manchester City Council during their 3 million sq ft masterplan development of the area around Whitworth Street West in the city centre of Manchester.

The building was designed to run independently or have the ability to connect to a borehole farm planned for the site.

ASK were highly satisfied with the services received and through professional recommendation Hannan Associates were awarded the Tenant Fit Out Design contract associated with occupation of the building by Manchester City Council during the refurbishment of Manchester Town Hall.

We have subsequently monitored a number of tenant fit outs on behalf of ASK Developments in No. 1 First Street including FCE Bank, Gazprom and Auto Trader.



WEST DORSET DISTRICT COUNCIL OFFICES & LIBRARY

Client: Simons Developments

Architect: Careyjones Chapmantolcher

Project Value: Approximately £40 M

Contract Duration: July 2008 – March 2014

This project involved a Town Centre mixed use development scheme in Dorchester.

Phase 1, which reached completed in 2014, comprised a new 60,000 sq ft council office building for West Dorset District Council and a Library/ Adult education centre. The building was designed to achieve an Excellent rating under BREEAM Offices 2008 standard and incorporates a natural/mixed mode ventilation strategy and 300sq m Photovoltaic Array on the roof.

Phase 2 comprised a 150,000 sq ft new retail development and public mall, anchored by M&S and Waitrose stores and new residential units, new public areas and underground multi storey storey car parking.



TOWN CENTRE REDEVELOPMENT, BARGOED

Client: Simons Group and Rockspring
Architect: Holder Mathias Architects
Project Value: £25M
Project Duration: December 2011 – October 2015



This joint venture with Caerphilly County Borough Council (CCBC) and The Welsh Government has provided 77,000 ft² of retail space comprising of a 57,000 ft² supermarket and a petrol filling station, pre-let to Morrisons for 25 years, as well as a further seven retail units, pre-let to Caerphilly County Borough Council for 25 years.

The scheme received a Highly Commended status as a finalist, in the Wales region category of the 2015 Place Making Awards.



CITY OF MANCHESTER STADIUM & ATHLETICS ARENA

Client: Manchester City Council
Architect: Arup Associates
Project Value: £112 M
Contract Duration: May 2001 – January 2004



The City of Manchester Stadium was built for the Commonwealth Games held in Manchester during 2002 and converted to a football stadium for Manchester city following the games.

Hannan Associates provided checking duties and advice based on the wide experience gained in the design and execution of major stadia schemes. Hannans acted for the city council throughout all phases of the scheme. From design development, to installation and commissioning both for the commonwealth games and the occupation by Manchester City Football club. Hannan's services also including the provision of on site engineers for the duration of construction and fitting out.

The engineers provided support for the building services maintenance contractors during the games including advice on problem solving. Part of the appointment was to identify deficiencies or over design in the scheme to provide value engineering advice to the design and build team.

Hannans were part of a team which included an architect and structural engineer; we worked together to provide a strategically coordinated design services approach.

Following the successful completion of the main scheme Hannan were appointed to design the building services for the Regional Athletics Arena and the management suite.



KING KHALID AIRPORT, RIYADH

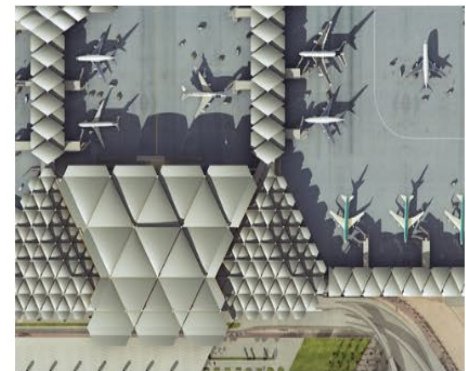
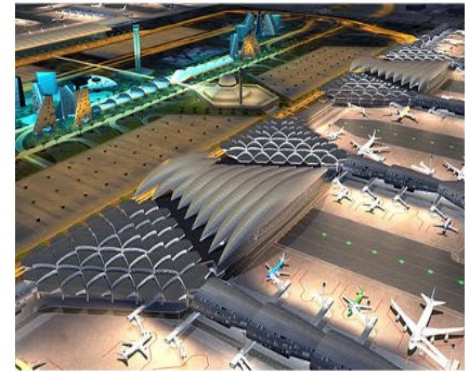
Client: CCC

Architect: Grimshaw Architects

Project Value: £2.9BN

Project Duration: December 2013 – October 2014

As part of the Spectrum consortium we carried out the tender design and bills of quantities for global construction company CCC to concept level BSRIA Stage C for MEP and ICT services for a 300,000 m², 24 gate expansion of Riyadh International Airport.



Contact Us

Head Office - Manchester

Beta House
Alphagate Drive
Manchester Road
Denton
Manchester
M34 3SH

Tel: +44(0)161 337 2200
Web: www.hannan-uk.com
Twitter: @HannanAssociate



Vicky Priestley

Business Development
& Marketing Manager

Tel: +44(0)161 337 2200
E-mail: vicky.priestley@hannan-uk.com



Charlotte Stansfield

Marketing Assistant

Tel: +44(0)161 337 2200
E-mail: charlotte.stansfield@hannan-uk.com

Hannan Associates

MEP Design Solutions

Mechanical | Electrical | Public Health