



# Multi-Storey Car Parks

Hannan  
Associates  
MEP Design Solutions








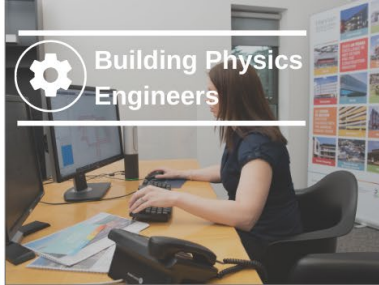


















# Introductions.....

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.

 <b>MEP Engineering Consultants</b> 	 <b>Sustainability Consultants</b> 	 <b>BREEAM Assessors &amp; Accredited Professionals</b> 	 <b>Building Physics Engineers</b> 
 <b>CIBSE Low Carbon Consultants &amp; Energy Assessors</b> 	 <b>Founded in 1983 - 40 years old</b> <b>Hannan Associates</b> MEP Design Solutions 	 <b>Head office in Denton, Manchester</b> 	 <b>80% of our turnover is achieved through repeat business</b> 
 <b>Platinum Award level</b> 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> <b>Platinum Award</b> 	 <b>Experts in the Commercial, Residential, Industrial and Stadia Sectors</b> 	 <b>ISO 9991 Quality Assurance Certified</b> <b>ISO 9001 REGISTERED</b> <small>This document certifies that the quality management systems of</small> <b>WILLIAM E. HANNAN &amp; ASSOCIATES LIMITED</b> <small>Beta House, Alphagate Drive, Manchester Road, Denton M34 3SH</small> 	 <b>Working throughout the UK &amp; internationally</b> 

# Our Team.....

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

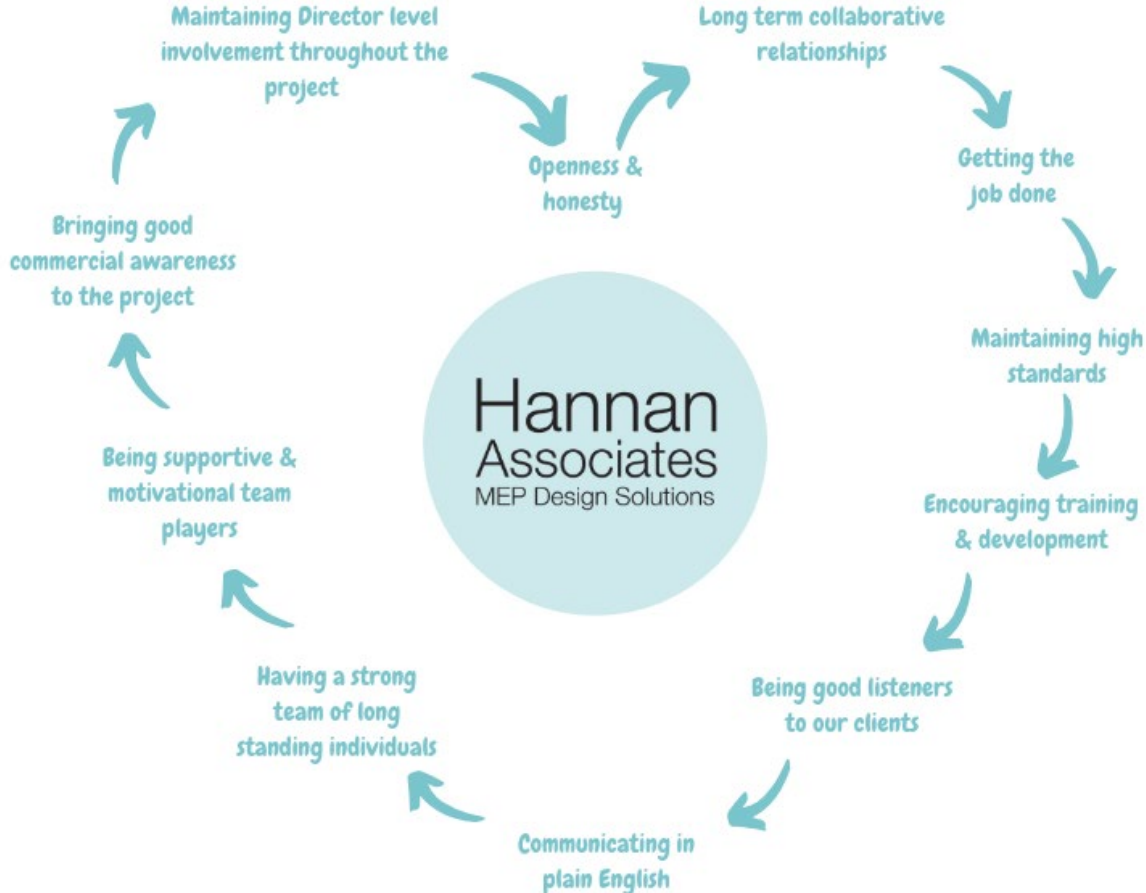
The development of the company has been aided by a strong, long serving work force through which we have developed lasting relationships with our clients, ensuring that 80% of our turnover is achieved through repeat business.

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 .....

Devising ways of reaching new heights.

The effect of a good car park should not be underestimated. As the entry point to places of business, venues and even a city itself, it is often the start of a visitor's experience. Enhancing the potential of these spaces can unlock revenue, improve local transport links, and provide a catalyst to revitalise local economy.

Whether you are planning a new build or refurbishing an existing structure, we have experience working on a wide range of multi-storey schemes.





# NEW BAILEY MSCP STANLEY STREET, SALFORD

**Client:** Muse Developments & English Cities Fund

**Architect:** AHR Architects

**Project Value:** £8M

**Contract Duration:** May 2016 – January 2019

NEW  
BAILEY

The latest project to reach completion at New Bailey, Salford is the Stanley Street NCP multi storey car park.

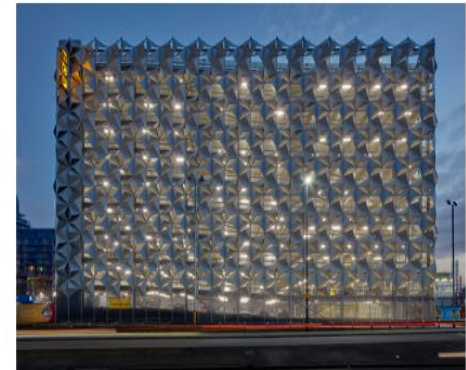
Hannan Associates provided MEP performance duties for this new 633 space multi-storey car park designed by AHR Architects and built by Morgan Sindall Construction and Infrastructure. This is the second NCP car park at New Bailey.

The car park design includes LED Energy Efficient Lighting throughout and a lighting control system to ensure efficient use of lighting installation, for example providing daylight dimming and PIR operation. The payment facilities have been made more customer focused by removing the need for customers to visit a payment machine or kiosk.

There are six electric car charging points at ground level, ANPL cameras at entrance and general CCTV throughout all levels to ensure customer safety at all times.

Hannan Associates are very proud to be part of the team regenerating Salford Central, a £650 million scheme transforming the New Bailey and Chapel Street areas of Salford. The scheme is led by the English Cities Fund, a joint venture between Muse Developments, Legal & General and Homes England in conjunction with Salford City Council.

The development area is situated at the interface between Manchester and Salford and is bordered by the main artery of the regenerated Chapel Street and the inner city ring road. When complete the development will provide 849 new homes, 2 million sq ft of offices, 90 hotel bedrooms, 261,000 sq ft retail & leisure and will expand the existing business district in this part of the city.



# NEW BAILEY CAR PARK SCHEME, SALFORD

**Client:** English Cities Fund  
**Architect:** Aedas RHWL Architects  
**Project Value:** £12M  
**Contract Duration:** April 2012 – November 2014

NEW  
BAILEY

As part of English Cities Fund's £650M Salford Central regeneration plans we provided MEP performance duties for the new 700 space multi-storey car park at New Bailey.

New Bailey is a high value, high density corporate centre. A Premier Inn hotel and a multi-storey car park have been completed and a 125,000 sq ft office scheme, One New Bailey, is now under construction.

It has included in numerous awards shortlists including both commercial and infrastructure nominations in the 2016 RICS Awards, and best new car park in the 2016 British Parking Awards, where it went on to win in the Architectural Achievement Award category.



# PADDINGTON VILLAGE MSPC, LIVERPOOL

**Client:** Morgan Sindall & Liverpool City Council

**Architect:** KKA

**Project Value:** £10M

**Contract Duration:** July 2017 – ongoing

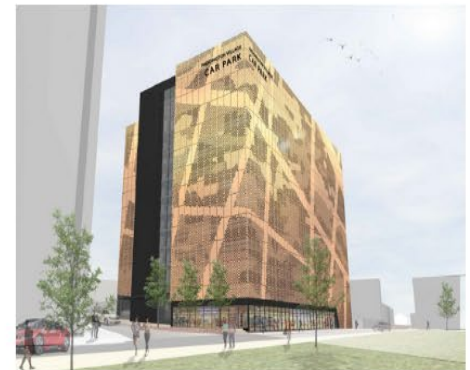
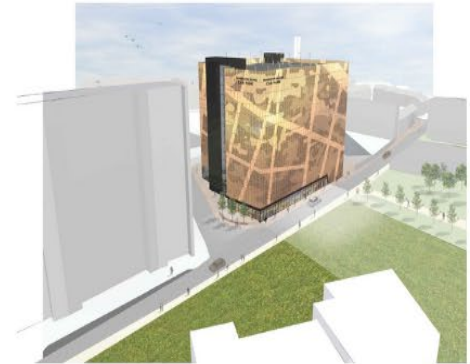
We are currently engaged to design a new 1245 space car park and retail unit at the Paddington Village development in Liverpool.

The scheme includes a 12 storey MSPC with sprinklers, fire fighting shafts with fire fighting lifts. Car park access is achieved by a triplex lift arrangement and a separate fire fighting lift.

The scheme to this site also includes interface with the adjoining new Energy Centre which provides district heating and private wire power to the wider Paddington development.

The Energy centre includes a Combined heat and power plant to reduce the carbon footprint of the scheme and provides private wire HV to the car park and LV essential power to serve the essential fire fighting services in the car park.

Paddington Village is a £1bn flagship expansion site within Liverpool's Knowledge Quarter, which will be home to education, health, science and technology facilities as well as residential, hotel, leisure and retail.





# STOCKPORT EXCHANGE CAR PARK SCHEME

**Client:** Muse Developments

**Architect:** Aedas RHWL

**Project Value:** £7.5 M

**Contract Duration:** October 2011 – January 2014



As part of Phase 1 of the Stockport Exchange development we designed the MEP services for the new 1,000 space multi-storey car park at Stockport train station.

With more than double the spaces now available for the public, the car park has been designed for ease and safety. With staff on site 24:7, there are also 21 dedicated stairwell help points all linked to the NCP customer contact centre. There are three new pay on foot machines, as well as the opportunity to pay on exit to avoid queuing at peak times.

The new crisp and clean LED lighting throughout will cut down on energy consumption and light pollution. There are also five electric car charge points and a dedicated cycle hub with space for 50 cycles, entry cards, changing rooms and lockers for cyclists.

Stockport Council bought the Grand Central site earlier this year 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, improved car parking for the station, a hotel, retail units and ease of access to the town centre.

It was short listed in the Best New Car Park category at the 2015 British Parking Awards.



# TALBOT GATEWAY CAR PARK SCHEME, BLACKPOOL

**Client:** Muse Developments  
**Architect:** Potter & Holmes Architects  
**Project Value:** £6.2M  
**Contract Duration:** November 2010 – November 2013



As part of Muse Development's 1.1 million sq ft Talbot Gateway Development in Blackpool we provided MEP design services for the refurbishment of the 648 space, 5 level multi-storey car park originally built in the 1930s. The car park also incorporates ground floor retail units, in keeping with the design of the rest of the development.

The car park was awarded the British Parking Award for 'Best Refurbishment' during 2014. The Talbot Road MSCP beat strong competition from five other shortlisted car parks in the Best Refurbishment category thanks to a creative design that reveals the original 1930s frame through the new elevations, to deliver a contemporary car park that acknowledges its heritage.

The car park now forms a central part of this mixed-use scheme, which also includes a 120,000 sq ft Sainsbury's store, a 126,000 sq ft, energy-efficient office development 'Number 1 Bickerstaffe Square' with ground floor retail and gym and extensive new public spaces.



# DONCASTER CIVIC QUARTER CAR PARK SCHEME

**Client:** Muse Developments

**Architect:** Potter & Holmes

**Project Value:** £2.5M

**Contract Duration:** June 2010 – November 2011

Phase 1 of the £330 M Doncaster Civic Quarter regeneration scheme included the construction of a new 157,500 sq ft civic office building, performance venue, public realm area and refurbished multi storey car park. We undertook the MEP Design for the refurbishment of the 850space multi-storey car park.

The car park was highly praised at the British Parking Awards, narrowly missing out on the best refurbishment award.

We also undertook Client Representative monitoring duties of the MEP services installations during the construction phase of the Civic office building which was designed to achieve a BREEAM excellent rating. The building was highly serviced and incorporated a low energy natural/mixed mode ventilation strategy





# Contact Us

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# Hannan Associates

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