Multi-Storey Car Parks
Our vision is to be widely recognised for excellence in the formation and implementation of MEP Design.

We believe in developing personal connections with all our clients by understanding their own individual needs and using our engineering skills and commercial awareness to deliver genuine benefits.

We continue to ask ourselves how can we make a difference and endeavour to deliver buildings in a cost effective and environmentally sensitive manner. We strive to create a sustainable future.
About Us

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

We focus on building services and have the capability to manage 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.

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.
What do we do?

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

A
Acoustics
AV Systems

B
Building Health Checks
BREEAM Assessment
Building Physics

C
Condition Surveys
Construction Inspection and Supervision

D
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

M
Mechanical Building Services Design

P
Planned Maintenance
Planning Reports
Public Health Building Services Design

S
SBEM Calculations
Services Engineering Appraisal
Sustainable, Renewable and Low Carbon Design

T
Thermal Modelling

V
Vertical Transportation Design

W
Water Conservation & Compliance Audits
BREEAM + Sustainable Design

Our engineers and technicians possess a unique, intimate understanding and knowledge of energy use in buildings and they have been responsible for the design of numerous BREEAM EXCELLENT schemes. We draw upon extensive experience of sustainable and low energy schemes having completed many examples.

We have a full range of modelling and simulation tools at our disposal to ensure the optimum solution for each situation and our expertise encompasses the selection and incorporation of renewable energy sources to offset energy demand and our projects have included a variety of renewable technologies.

Our sustainable Design team is led by registered Low Carbon Consultants & Low Carbon Energy Assessors under the CIBSE qualification scheme and qualified BREEAM Assessors and Accredited Professionals. Hannan Associates have a proven track record in undertaking BREEAM assessments for a diverse mix of building types. We are proficient in the techniques and processes required to design and achieve BREEAM certification to the highest standards. Our assessments to date encompass every major sector including industrial, healthcare and education and have been commissioned at the request of major contractors and developers.

Our BREEAM Assessors have years of experience in the field of sustainability and have devised a suite of bespoke documents tailored to streamline the assessment process and provide a highly efficient service. We provide a comprehensive BREEAM assessment service from cradle to grave.

BIM

Hannan Associates have adopted a highly collaborative and sharing approach to project design co-ordination for a number of years with the goal of achieving well integrated high performance buildings. We have in house 3D drawing and thermal modelling capabilities and extensive experience in the use of 3D on our projects, including many complex buildings.

All of our projects are thermally modelled in 3D and we have vast experience in collaboration with multi-disciplinary design teams to develop buildings which achieve high performance, through enhancing building design via detailed iteration. These schemes include ground breaking BREEAM outstanding and A+ EPC rated buildings.

For design co-ordination, drawing production and clash detection we use Autodesk Architecture, Engineering & Construction (AEC) Collection which contains:

- Revit
- Navis Works Manage
- 3D Max
- AutoCAD MEP
- AutoCAD Plant 3D

We are committed to undertaking ongoing investment in our ICT systems and providing the relevant training and development for staff in order that we continue deploying BIM strategies across our projects and develop new and effective methods of achieving our goals.
Our Team

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 employees 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. The company is led by our directors Ian Joyce, John Walker, and Jamie Hall.

Ian has 35 years’ experience of Design and development of a wide range of new and refurbished buildings from conception, through to completion including management of maintenance. During his career he has gained vast experience as project director for many large and prestigious projects and development of M&E schemes from concept through to completion, many of which include low energy technologies.

John has 30 years’ experience in building services consultancy with 12 years at director level. He is a Chartered Engineer and Chartered Director. He has strong project and management experience with an unblemished record of project success, client satisfaction and financial return.

Jamie has over 25 years’ experience of Building Services Design. During his career he has been involved with a diverse range of projects including several town centre regeneration schemes. Jamie has in depth knowledge of projects featuring complex infrastructure appraisal, strategy and procurement. He is also a registered CIBSE Low Carbon Consultant and Energy Assessor.
Our Clients

There is no greater feeling than a job well done and achieving client satisfaction and this is what drives us in our approach to business. Our basic business philosophy is to establish a long term working relationship with every client and more than 80% of our business comes from repeat clients. We adopt a proactive approach to understanding each individual client’s needs and goals and we then formulate our service delivery in a manner which, we feel will best achieve client satisfaction.

We greatly appreciate each and every one of our clients, the interesting projects they bring to us and the talented design teams they introduce us to. We realise we wouldn’t be here without them and their continued loyalty. Here are just a few of the clients we have worked with over the years:
Multi-Storey Car Parks

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.
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.
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.
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 MSCP 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.
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.
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.
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.
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