

# ADEPT

CIVIL AND STRUCTURAL CONSULTING ENGINEERS



RECRUITMENT BRIEF

**Associate Director / Principal Engineer - Structural**

SHEFFIELD

[www.adeptcsce.com](http://www.adeptcsce.com)





This is an exciting opportunity to join a dynamic, strongly established civil and structural engineering consultancy with an excellent reputation for the delivery of complex and specialist projects.

Adept was founded in January 2007 by business partners Erol Erturan, Richard Parker and Matthew Ramsden. Neil Brown joined in 2019, followed by Paul Gill and Gareth Shepherd in 2021 as Directors of the company.

We have a 'hands-on' Director led approach to carefully manage progress on every job and collaboratively develop solutions with the team which **maximises value**.

We are customer focused and know how to **listen** well and collaborate with clients, stakeholders and third parties, which is why **80% of our work is generated from repeat business**.

Highly responsive, we employ the best staff who work collaboratively to Engineer Better Together using the latest technology to deliver innovative best value civil and structural solutions on time.

Our expert teams focus on delivering high quality customer services and high value returns from our offices in Leeds, Sheffield, Manchester and London.

#### Our Sectors:

- Commercial
- Distribution
- Education
- Energy
- Extra Care
- Food Processing
- Healthcare
- Hotel & Leisure
- Listed buildings
- Residential
- Retail
- Warehousing

# The Opportunity

We have a requirement for an aspiring Associate Director/ Principal Structural Engineer to assist in managing our Sheffield office. You will play a key role in establishing and leading a new team based in Sheffield and will be integral to growing our portfolio of projects within the region.

## THE PERSON

- Outstanding knowledge and understanding of civil and structural engineering and design
- A reliable and enthusiastic individual with a 'hands-on' approach to projects
- An analytical and detailed approach to work
- A confident team player with superb interpersonal skills
- A natural 'technical leader'
- Unquestionable integrity, experience, confidence, and the stature to effectively address major client needs and challenges
- Detailed knowledge and understanding of the principles of Building Information Modelling (BIM)
- A natural troubleshooter who can find simple, efficient solutions to identified challenges or complications
- A highly motivated and ambitious individual with a passion to succeed and develop an ambitious team
- Excellent team player and purveyor of collaborative behaviours

## QUALIFICATIONS, SKILLS AND EXPERIENCE

- Excellent problem-solving skills
- Extremely strong communication, presentation and negotiation skills
- Experience of managing and mentoring a team
- The ability to liaise well with professionals from other disciplines
- Excellent knowledge of relevant software (please refer to our Digital Innovation section for further details)
- The ability to work on multiple projects simultaneously
- A Bachelor's Degree in Civil Engineering (or equivalent)
- Membership of a Professional (and relevant) Institution
- A successful track record of building Client relationships
- Five years or more experience working at a senior level
- Proven business leader and a recognised technical expert within the within the UK Development sector
- High degree of competence in project management



# The Role

The role is office based with visits to construction sites. You will be involved in detailed design, value engineering, design delivery, project management, execution, and handover. Adept already has a successful record of being appointed to and delivering a range of works around South Yorkshire and in 2021 we became part of the Sheffield City Council Framework.

## OBJECTIVES AND KEY RESPONSIBILITIES

- Overall responsibility for delivery of projects
- Liaise with Client Project Directors (or equivalent) to pre-empt and resolve issues
- Present to Clients and key stakeholders in a professional, responsive and client focused manner
- Receive project brief and carry out briefing of the team members and lead on analysing data, development of design drawings and report production
- Act as a Project Manager/Director as necessary including monitoring financial and commercial performance
- Ensure technical content and quality of output produced is in line with the project brief
- Attend regular Project Progress and Client meetings
- Prepare detailed Client briefs or fee proposals for Client submission and contribute to bids and tenders
- Liaise with current and proposed Clients to maintain repeat business and generate new business
- Establish strong working relationships with all members of the Adept team
- Mentor and support the development of staff within your team





# Why consider this opportunity?

## **BENEFITS**

This is an exciting opportunity to join a forward-thinking company. We are offering a competitive salary which is dependent on experience. We are also offering a range of benefits inclusive of a contributory pension, healthcare scheme, paid professional membership fees, 25 days annual leave (in addition to bank holidays), childcare vouchers, tailored training opportunities and the opportunity to attend a range of employee social events. A discretionary profit and performance related annual bonus up to one month's salary will be provided.

The successful candidate will be working with a highly motivated and committed team who successfully deliver an interesting and broad range of civil and structural engineering projects, within sectors such as healthcare, education and residential.

Our extremely high retention rate and annual appraisal staff feedback demonstrates Adept's employee satisfaction. We genuinely believe in the benefits of providing a pleasant working environment where staff are respected, informed and given opportunities to better themselves.

We have a Social Committee who organise and run regular social events every year. The events for 2018 included an American pool tournament, a bowling tournament, a Krypton Factor Challenge, a team building weekend away, a virtual golf tournament, a casino night out and monthly sponsored pub outings. Each member of staff also receives a £100 birthday bonus.

Our dedication to valuing and nurturing our employees has been recognised by Investors In People. We now hold an IIP Silver accreditation.

Adept is an Equal Opportunities Inclusive Employer.

Adept is a Mindful Employer



# Our Services

Our mission is to provide high quality civil and structural engineering services to our clients within the construction industry. Our specialist areas of work include:

- Preparation of conceptual schemes
- Detailed designs and drawings of foundations
- Superstructure
- Drainage
- External works and highways for new build and refurbishment projects
- Building Information Modelling (BIM) including providing data rich 3D models
- Structural surveys and reports for existing properties
- Desktop studies, flood risk assessments, site investigations
- General civil and structural advice
- Feasibility studies
- Project management and lead consultant services
- Laser point cloud surveying
- BIM consultancy, converting laser point cloud to BIM

# Digital Innovation

We understand that Building Information Modelling (BIM) is key to our industry's shared future. We see this as self evident and have modelled our business around this

We are a forward thinking, technologically advanced company and use the latest tools to deliver our projects, resulting in increasing productivity, efficiency and better service to our customers. Despite our extensive experience, we are always looking for new and innovative ways to improve and develop. Exploring new software and processes are part of our working day. Our staff are continually encouraged and inspired to implement cutting edge solutions.

Our focus and expertise in BIM is rather unique. Having achieved BIM Level 2 accreditation in 2015 we became the first civil and structural engineering consultancy in the UK to receive such an award. This validated our advanced capability in modelling, analysis exchange and process maturity beyond compliance with UK standards, and we haven't stopped progressing.

We embrace trust based collaboration and recognise that working together creates benefits far greater than the sum of its parts. Clients, staff and design partners have gravitated towards this approach and the positives have been numerous.

Reduced rework, clash detection on site, intelligent data exchange, improved accuracy and greater transparency are just some of the quantifiable benefits we continue to share.

At the end of our projects all parties are more knowledgeable, experienced and better equipped for the future and we see this as a great achievement. We openly share knowledge, models, processes and ideas and actively encourage our clients and sub-contractors to do the same.

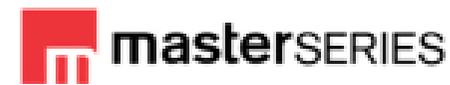
Adept's attitude to Digital Innovation has been our unique selling point since our early days. BIM is integral and fundamental to the delivery of all our projects. There are no exceptions, it just makes eminent sense.

In practice we go beyond what is traditionally seen as BIM for Civil/Structural Engineers and routinely deploy our Laser Scanner, UAV and VR equipment.

All of our models are workshared for data segregation, most contain analysis data and other intelligent features beneficial to the digital twin envisaged for the lifecycle of the facility. This is our modus operandi. Our current interests lie in mesh feature recognition from point clouds, LEAN processes and practical Virtual Reality.

We are members of Cyber Essentials Plus, a government backed cyber certification scheme.

For project delivery Adept uses a wide (and often changing) array of technical software, bespoke solutions and modules.



# The Growth of Adept

Over the years we have invested a significant amount of time and money into the development of our business, BIM and staff training. Growth and evolution is key to the success of Adept

Turnover, profit, overall growth and client diversification have been very positive over the past few years.

## 2020 Covid Curve ball

Despite the difficult times during 2020 we have managed to maintain turnover, win places on three important public sector frameworks and secure some significant new clients. Like many small businesses our short term goals have been pushed back to 2021, but our long term goals remain the same.

Crucially, we have made some significant staff appointments this year, welcoming two new Directors in Leeds. We also opened a new satellite office in Sheffield. These changes have secured our stable position in the market place as one of the leading engineering consultants in the North, and will bolster our efforts to grow the business.

**Subject to work winning, we will require further staff to support our leadership level staff and ensure we continue to resource projects accurately.**

Our long-term plans include the diversification of Adept's services to include project and information management, lead consultancy and geo-environmental site investigations, including setting up associated companies with motivated key individuals.

We plan to appoint a Director in London in 2021 as part of our long-term growth strategy. The Leadership Team will become

key in sustaining our business growth and in mentoring their teams.

## Previous Performance

2018 was our most successful year to date and we recruited more staff than ever before.

Our turnover increased 25.5% in comparison to 2017, staff numbers increased by 13% and we won a prestigious award from the Institution of Structural Engineers.

The award, the **Best Medium Sized Structure of 2018** (Yorkshire Regional Group – Medium Sized Business), for the prestigious £9.5m Ridding Park Spa Redevelopment, recognised our holistic approach to achieve innovative solutions to technical problems in an efficient and sustainable manner.

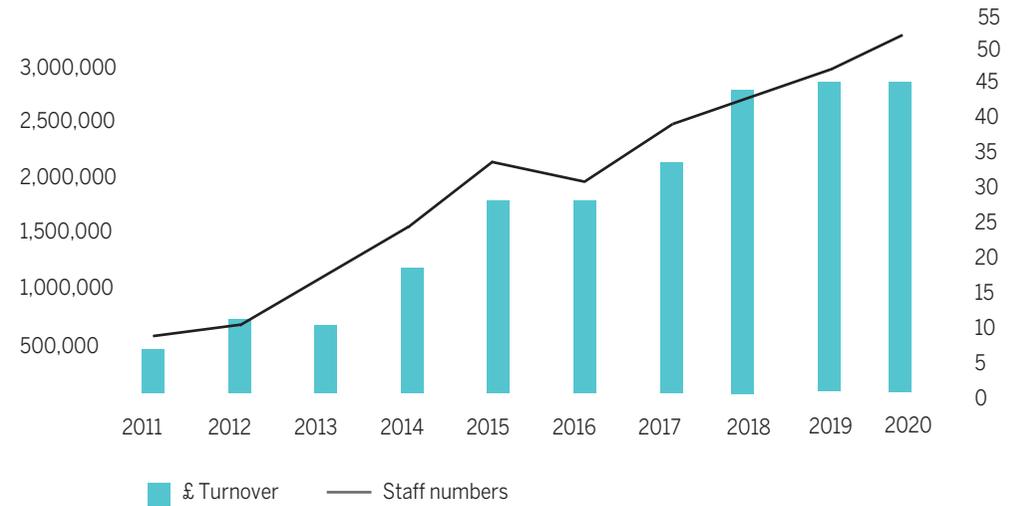
We also secured our largest project to date, an **£89m re-development scheme with Henry Boot Construction. The Glass Works** is a major town centre development in Barnsley and is located on a 3.8 hectare site around Cheapside. The development is significant for the region and will provide 590,000 ft<sup>2</sup> of entertainment facilities inclusive of shops, restaurants and a multi-screen cinema.



# The Growth of Adept

Within our industry we are recognised for leading service excellence and professional development. This has created a loyal client base that continues to grow and diversify

### Adept's Growth



# Testimonials

“Adept have consistently demonstrated their ability to work with HBC and our partners collaboratively providing innovative, sustainable and **cost effective solutions.**”

**Tony Shaw, Operations Director  
Henry Boot Construction**

“Adept are honest, **efficient**, and **professional**. Well organised, detailed in their document management, and most importantly, **proactive in their approach**. Any design queries are identified early and resolved in a **collaborative** manner to maintain the momentum of the project.”

**Richard Elam, Galliford Try**

“I have always found the team **extremely helpful** and willing to explore solutions that will **benefit the designers and the client**, both in programme and cost terms.

**Andrew Southey, Andrew Southey Architect Limited**

“ I find it important to have a **Director level point of contact** which speeds up decisions and any resolutions. I have consistently found Adept to work in a collaborative, **honest** and professional manner which makes them a pleasure to work with.”

**David Stanway, David Stanway & Associates**

“Adept’s **service is unparalleled**. Well-staffed at all levels, approachable, proactive and responsive on all construction schemes and sectors”

**Michael Bickle, Director, Michael Eyres Partnership**

“Adept always meet programme deadlines and also allowed cost savings to our client at the design stages, without the quality being compromised.”

**Helen O’Reilly, Associate Architect, Bond Bryan**

All engineers involved in the project had an **excellent attitude**, were very respectful, **understanding** and their professionalism was exemplary. An outstanding advertisement for your company.

**Eamonn Cahill, Senior Project Manager,  
Tilbury Douglas**

“The team are very **proactive**, with a mindset to help and are willing to do the necessary levels of work to ensure full, concise information is provided. Staff are friendly and welcoming with a **good attitude** towards a team ethos. It is refreshing and enjoyable to know they are part of the team structure for a project.”

**James McDermott, Director, KPP Architects**

Adept’s practical and pragmatic approach, together with their team ethos ensured that the design developed smoothly and effectively. Working in **Revit was an invaluable part of the design** process in ensuring the team collaborated and developed a successful design.

**Pauline Lake, Director, Race Cottam**

“The Adept team are very knowledgeable and helped us to identify an economical solution for the cut and fill and advised on the complex retaining structures. ”

**Louise Marsden, Project Manager, Rochdale Borough Housing**

# Our clients

**CBRE**

caddick  
construction

ASDA

Sheffield  
City Council



ENGIE



Tilbury Douglas



QINETIQ

KIER

parklane

Henry Boot  
CONSTRUCTION

ISG

next

UNIVERSITY OF LEEDS



NEWCREST  
NEW COMMUNITY REAL ESTATE

REDROW  
HOMES

Roomzzz  
Aparthotel

Sir Robert  
McALPINE

Town  
Centre  
Securities

BREWERS SINCE 1807  
THWAITES

Wates

Vistry  
Partnerships

WILLMOTT DIXON

# Industry Recognition and Accreditations

We are proud of our accreditations which represent industry recognition of our expertise, service delivery and exceptional standards.



# Investors In People



Adept Consulting Engineers have achieved an Investors in People Silver accreditation. Here are just some of the comments from the IIP Assessor:

“Adept Consulting Engineers has some great foundations in place with regard to best practice and this is commendable for a company of its size. In particular the **culture of collaboration and professionalism**, especially when some of the employees are young, is excellent.”

“The company motto ‘Engineering Better Solutions Together’ describes a **truly collaborative way of working** whether that is internally between colleagues or externally with stakeholders such as clients or contractors or even the wider community through the CSR work undertaken by the organisation.”

“The directors are held in high regard by employees who have confidence in the business being taken in the right direction. There is clarity of vision, purpose and objectives and people **trust that the leadership team will take the business forward.**”

“Innovation as a thought process is regarded as being ‘part of the DNA’ of the business and a catalyst for change. The business is **quick to adopt new technology** where ever financially viable and regards this approach as a necessary part of its growth strategy.”



# The Adept Culture and Team

We know that a happy workforce leads to increased morale, productivity and efficiency

## CULTURE AND TEAM

Our culture is based on being entirely staff and customer focused. We invest in tailor made training programmes (apprenticeship schemes, degrees, software and technical training and sales and management training) for our staff, to help them develop and progress in their career. Our staff have a wealth of experience, talent, skills and industry knowledge.

Our staff have taken part in a number of charitable events over the years, to raise money for different charities including Action Medical Research and Barnados:

- Yorkshire 3 Peaks
- York Cycling 100km Route
- Windermere 20 Challenge

A number of staff also provide 'volunteering days' to Lineham Farm Children's Centre in Leeds (who aim to enhance the lives of local children by organising respite breaks and holidays) to help out with improvements to the facilities. All Adept staff are provided with two days paid volunteering leave per annum.

Adept promotes social responsibility, growing our own talent, and promoting engineering and construction to young people.

## APPRENTICESHIP SCHEME

Adept runs a successful Apprenticeship programme, employing students from Leeds College of Building and Barnsley College. Every year new apprentices are recruited and developed, enabling them to learn and thrive.

We are proud of our ability to support the engineers of tomorrow and have employed at least one apprentice every year since 2008.

Nine members of our team have come through this route, and we continue to support Higher Apprenticeships to degree level. Our very first apprentice is now a senior engineer, having graduated from a university degree funded by Adept, and is now running his own complex scheme. A number of other Adept apprentices are currently studying at university.

## EXECUTIVE TRAINING

Management training is offered through a number of professional organisations and business mentors who we have developed strong relationships with over the years. We draw upon their qualified experience to reflect on our methods and guide our business development strategy forward.

Our continued involvement with the Goldmans Sachs 10KSB scheme, gives access to a variety of leadership level training and development courses.



# ADEPT



## **EROL ERTURAN | MANAGING DIRECTOR** BSc, MSc, CEng, MStructE, MICE

Erol is a BRE Accredited BIM Professional with over 25 years in the industry. He is an experienced Chartered Civil and Structural Engineer with hands on experience in the design and project management of multi-storey steel and concrete framed buildings, large warehouses and major refurbishment projects.

Erol set up Adept in 2007 and the organisation has grown over the years and now employs 40 staff. Erol has a very 'hands on' approach to projects and specialises in client liaison, management and co-ordination of projects from the very early stages to completion.

### **Client testimonial:**

"I have worked with Erol and his team on a number of occasions and have always been impressed with Adept's quality of work and professionalism. I would not hesitate in recommending Adept to new clients."

**Chris Austin**  
Director, Brewster Bye Architects

## **EXPERIENCE**

### **NEXT Warehouse, Doncaster**

Value: £55m

Client: Next

New automated warehouse with 60,000m<sup>2</sup> footprint and 8,500m<sup>2</sup> offices plus a link bridge to an existing warehouse



- Adept were responsible for both the concept and detailed design for the project situated at IDI Gazeley's 115 acre G Park.
- A steel structure was the ideal solution for this build, as it was quick to construct, cost effective and accommodated the long span qualities needed
- Adept engineers designed flexibility into the steel frame so that it not only meets the demands of the business now, but there is flexibly for further expansion in the future

### **Gateway House, Piccadilly Station, Manchester**

Value: £20m

Client: Marshall Construction

Mixed use development to include the transformation of Gateway House into a hotel together with a new 40,000 sq ft office block over 8,000 sq ft of retail space



- The strategy for the refurbishment was one of conservation rather than reconstruction. The building was stripped back to its existing concrete structure and reload to meet current envelope requirements whilst retaining the horizontals and fine grain of the existing fenestration
- The new structure is generally steelwork beams craned in to trim new openings in the existing RC structure. Simplicity and economy were the main requirements overall.

### **Drax Biomass, Selby**

Value: £10m

Client: Drax

Biomass conversion facility. The construction of the domes was achieved through the application of air form technology that utilises an inflated PVC membrane permanent shutter which is sprayed internally with shotcrete



- Close liaison with the U.S. based engineering and construction team was achieved through the creation of clear lines of dialogue which were maintained throughout the build
- Feedback from Dome Technology recognised the efforts of Adept's engineers to neutralise barriers which existed due to differences in the cross continental standards and procedures.

# ADEPT



## RICHARD PARKER | DIRECTOR

BEng (Hons)

Richard is an experienced Civil Engineer with over 20 years experience in the construction industry. Richard specialises in feasibility studies, drainage, highway design, ground modelling and flood risk assessments and generating new clients.

He has extensive experience in the design and project management of all civil works including external works/highway design and Section 38/102/104, agreements for adoptable works and Health and Safety (including CDM regulations).

His responsibilities include running large and medium scale projects from conceptual design stage through to completion.

### Client testimonial:

“Adept Consulting always offer STG proactive advise Pre tender and the extend this professional approach throughout the construction process I would recommend Adept and Richard Parker for future works.”

**Andy Coates**  
Construction Director, Strategic Team Group  
(Park Road)

## EXPERIENCE

### GEFCO, Liverpool

Value: £10m

Client: Marshall CDP

New purpose built £10m state-of-the-art supply chain hub. It is now helping to optimise supply chains for a number of GEFCO's customers including Jaguar Land Rover's Merseyside factory in nearby Halewood.

- The construction of a 132,000 sq ft warehouse with two-storey integrated offices, as well as a 50,000 sqft warehouse with two-storey integrated offices
- Works carried out on the 12m high warehouse included design of the steel framed buildings with pad foundations on improved ground.
- External works involved cut and fill analysis which was lime stabilised to provide a suitable piling platform. Drainage was attenuated



### New Lodge Extra Care Village, York

Value: £20m

Client: Joseph Rowntree Housing Trust

Facilities for retired living comprising 105 one and two bedrooomed Extra Care suites and 45 one bedrooomed residential care suites, as well as useful community facilities

- The new buildings have been modelled using 3D software which has been used to generate 3D views to aid co-ordination with the site and design team.
- The size of the development site has required the design for a large volume of surface water storage which has been accommodated by a 90m long Tubosider storage pipe positioned to suit a narrow corridor of available space on the site.



### Park Road, Telford

Value: £9m

Client: Wrekin Housing Trust

81 unit affordable housing development for main contractor STG

- Civils 3D BIM technology was used to undertake a successful cut and fill exercise.
- The scheme was built over a former colliery leading to a difficult and challenging pile and foundations design.
- Colliery spoil deposits unsuitable to bear traditional foundation were found up to 5.2m depth. Therefore a total number of 658 piles was used as a foundation solution.



# ADEPT



## MATTHEW RAMSDEN | DIRECTOR

BEng (Hons), CEng, MIStructE

Matthew is a Chartered Structural Engineer with 20 years of experience in the design and project management of residential, historical and educational schemes, multi-storey construction and refurbishment work. He has worked on a number of projects where additional protocols were required such as in working health centres, working schools (DBS checked) and rehabilitation homes.

Matthew is a very focused Director with experience in the design and project management of both large and small schemes. He is responsive to the client's needs and has a strong track record of gaining repeat work.

### Client testimonial:

"Thank you for a most excellent and professional service. The work was within an extremely challenging environment within exceedingly tight time schedules and with several major constraints in a 100 year old Grade 1 Listed Building.

Matthew and his team had an excellent attitude, were very respectful and understanding of the project requirements... Exemplary service - an outstanding advertisement for Adept."

**Eamonn Cahill,**  
Senior Project Manager, Tilbury Douglas  
(Kirkgate Market)

## EXPERIENCE

### Rotherham Interchange

Value: £12m

Client: Sheffield Combined Authority

The upgrade and refurbishment of this important town centre asset will improve the concourses with upgrades to flooring, plinths and glazing

- Adept designed a steel beam solution to strengthen the platform, saving significant time and money.
- We were responsible for verifying that the structural stability of the building is not compromised by the revised cladding.
- Adept's BIM Level 2 capabilities have ensured smooth design solution progress throughout



### Kirkgate Market, Leeds

Value: £12m

Client: Leeds City Council

Extensive refurbishment, significant roof works and new internal structures

- Major refurbishment to a Grade I Listed building required sensitive engineering
- Re-design of the original drainage system saved the client valuable time and money
- Provided condition surveys to both historical roofs
- Coordinated an analytical survey enabling Matthew to advise the council on remedial strategy.



### North Lincolnshire Retail Park, Scunthorpe

Value: £25m

Client: Simons Construction

New build retail park including 50,000ft<sup>2</sup> of retail space to include M&S, Debenhams and Boots

- Complex civil engineering design was required to address the lack of surface water drainage
- Director level involvement facilitated the engineering of the largest fully sustainable SUDS system that Adept have been responsible for
- Challenges surrounding underground water tables and raising floors above flood planes were eliminated thanks to the expertise of senior level involvement



# ADEPT



**PAUL GILL | DIRECTOR**  
BEng (Hons) Civil Engineering

Paul is a highly experienced Civil & Structural Engineer with over 20 years' experience in all aspects of design.

Paul specialises in site due diligence, traditional load bearing structure design, concrete frame design and adoptable drainage schemes. With a 'hands on' approach to design, Paul's involvement on projects ensures all aspects of a development are addressed at the earliest possible stage. He manages complex, large and medium scale projects from conceptual design stage to completion.

Paul is managing the delivery of Adept's ASDA PFS Schemes. Adept have been appointed as the sole civil and structural engineers on a national programme to deliver 35 petrol filling stations worth approximately £30m including both new and retrofit schemes.

## Client testimonial:

"Over the past 5 years whilst working for the Client/ Contractor we have appointed Paul's services to provide Engineering Consultancy on multiple complex schemes. I have relied on Paul to be the key contact and he has provided a proactive and professional service to assist the delivery of the schemes in a cost effective and timely manner."

**Stephen Lyons, Regional Technical Manager, ENGIE Regeneration**

## EXPERIENCE

### Beeston & Holbeck, Leeds PFI

Value: £128m

Client: Leeds City Council

Extensive housing regeneration scheme to improve council housing in Beeston, Holbeck and Little London

- Development of 10 residential sites to include the refurbishment of 1,200 existing council houses and the construction of 388 new council houses
- Paul designed and developed the adoptable drainage systems for the schemes with developer and architect
- Specialised civil and structural engineering design was required due to the prior use of the site which included coal mining activities.



### Bishops Hill, York

Value: £5m

Client: McCarthy & Stone

A 34 apartment retirement development scheme on the banks of the River Ouse

- The apartments benefit from a panoramic rooftop terrace and impressive landscaped gardens
- This site of archaeological importance required close liaison with third parties due to challenging ground conditions.
- New foundation solution and under croft parking needed careful consideration prior to demolition of existing building



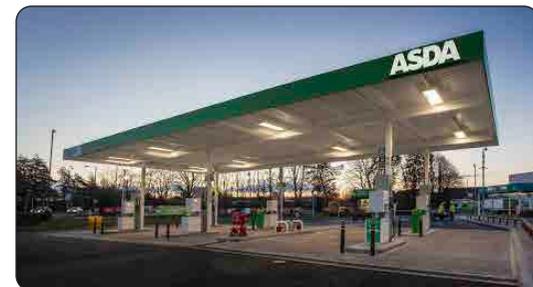
### ASDA PFS and Car-park works, Gloucester

Value: Confidential

Client: ASDA

The construction of a Drive to Pay kiosk petrol filling station and customer car-park with associated facilities

- Throughout the project Adept were presented with a number of challenges. Drainage design issues arose due to the close proximity of a nearby river. Close liaison with the local Lead Local Flood Authority (LLFA) was therefore required, to reach an adequate design proposal to suit the ground conditions and local environment
- The scheme changed numerous times during the implementation phases. Adept seamlessly revised plans to meet the adjustments.



# ADEPT



## GARETH SHEPHERD | DIRECTOR

BEng (Hons), CEng, MStructE

Gareth has over 23 years' experience in a wide variety of building structures across all sectors, including industrial, commercial office, healthcare, heritage, residential, education, sports and retail.

Gareth is responsible for running project teams and coordinating resources on high value projects for high profile clients.

His experience includes structural design, management and construction supervision of both refurbishment and new build projects, as well as early site appraisals and feasibility studies.

Gareth is knowledgeable in the design of reinforced concrete, pre-cast concrete, steelwork, masonry, and timber structures.

### Client Testimonial:

Gareth is skilled in providing creative input at the early concept stage of a project, collaborating closely with us and with the client to add value and create innovative, cost efficient, buildable designs.

A highly professional and personable engineer.

**Andrew Cooper, Managing Director, RPP**

## EXPERIENCE

### FlyBe Head Quarters and Flight Training Facility, Exeter

Value: £confidential

Client: FlyBe

FlyBe's flagship training headquarters provides first class aviation training facilities for pilots, cabin crew and ground staff, as well as apprentice engineers.

- The first phase included: a concrete frame reception and classroom wing, and a steel framed 'Sim Wing' designed with clean spans to house flight simulators, a trainee engineer workshop and emergency door trainer facilities.
- The scheme included its own **CHP centre** as part of the project, which considerably contributed to its BREEAM Excellent rating.
- Achieved through extensive use of SUDs and a flood alleviation scheme plus Passivhaus natural ventilation in the teaching wing of the building.



### Spenn Valley Leisure Centre

Value: £15m

Client: Kirklees Council

Kirklees Council's new Swimming Pool and Sports Centre opening in 2021. The new facility replaces the existing demolished pool and is constructed on a constrained, challenging site.

- The facility included:
- An 8 lane, 25 metre main pool.
- An activity pool 20m x 10m with moveable floor.
- Spectator seating in the pool areas.
- Large gym and fitness suite, two fitness studios with flexibility for other use and a cycling studio.
- Two changing villages which will include family cubicles, baby change and large team changing areas



### The Green, Bradford

Value: £30m

Client: University of Bradford/GB Building Solutions

This was a landmark project in the Sustainable Student Village based on campus. 1026 student bedrooms were split over blocks of apartments and townhouses constructed by prefabricated timber wall panel frames and floor cassettes.

- The scheme featured solar panels, rainwater harvesting, attenuation pond and CHP, and a highly efficient building envelope.
- It was purposefully designed and managed to encourage users to recycle and live more sustainably. Each dwelling has real time energy monitors and there are vegetable beds for the students to maintain.



# ADEPT



## NEIL BROWN | DIRECTOR

BEng(Hons) MSc, CEng, MStructE

Neil is a versatile Chartered Structural Engineer with over eighteen years' experience in the construction industry. He has worked on a variety of projects in the UK, Ireland, Europe, North Africa and the Middle East. During this period, Neil has been involved in the Civil/Structural design, management and construction of projects across a range of sectors,

Neil specialises in overall project delivery, commercial performance and the management of multi-discipline project teams. He is proficient in effectively co-ordinating project disciplines utilising 3D modelling (BIM).

Neil will manage a team of civil and structural engineers, technicians and BIM co-ordinators to effectively communicate information with the Principal Designer. He will lead and engage his team to ensure best practice design principals, quality standards and information management

### Client Testimonial

“Neil is well organised, detailed in his document management, and most importantly proactive in his approach to construction.

Any design queries are identified early and resolved in a collaborative manner to maintain the momentum of the project and keep in step with the programme.

**Ben Battye, Director, Fletcher Rae Architects**

## EXPERIENCE

### Lancashire Business Park, Leyland

Value: £6.5m

Client: Eric Wright Group

Two new large-scale industrial units built with sustainability and low carbon outputs as main KPI drivers for Lancashire County Council. The development comprised eight business units, with mezzanine first floors levels to provide additional office space

- Two industrial blocks will comprise GIFA approx 36,000sqft and 23,830sqf
- Use of 3D modelling techniques in close collaboration with the architect ensured efficient progress of the building design.
- Carbon outputs were measured throughout design development to reduce environmental impacts in the design, method and material selection.



### High Point Village, West London

Value: £100m+

Client: Ballymore Properties Ltd

A regeneration project in Hayes, West London, which consists of seven eight- storey mixed use residential and community buildings.

- The development was the re-use of a contaminated brownfield site which was previously a scrapyard.
- The blocks were constructed from a podium slab which covers approximately half the site.
- Neil was the Project Engineer responsible for coordinating and overseeing the structural and civil engineering design of the project with the design team, developer and contractor.



### Arkwright Street Waste and Recycling Centre, Greater Manchester

Value: £10m

Client: Costain

The re-development of an existing waste transfer station in Oldham.

- The waste transfer building was extended and automated sorting plant was installed within the extension to separate the various materials for transport away for recycling or incineration. .
- A new HWRC was also constructed adjacent to the plant to increase local capacity.
- Neil worked with the contractor to close out the final design and snagging items during handover to the client.



# B.BRAUN Innovation & Education Centre

COMMERCIAL



## SUMMARY

### Client

B.Braun

### Location

Sheffield

### Project value

£16.5m

### Architect

DLA Design

### Contractor

Henry Boot  
Construction |  
Triton

### Project brief

B.Braun Medical specialises in aseptic, patient-specific parenteral nutrition products. The company also manufactures a range of other items, and all its portfolio is under an MHRA Manufacturing Specials licence. The expansion to the existing cleanroom suite was essential to meet the growing demands for parenteral nutrition. Adept were appointed by B.Braun to deliver works including a new multi-storey car park facility and a **warehouse extension to the CAPS unit** with a new mezzanine office over the existing second floor warehouse.

## SOLUTION

### Phase 1

Adept delivered design specification for a new multi-storey car park. The design of wider civil's works including access road and junction design was also included within the scheme.

Adept had a number of responsibilities including the creation of specifications to be included within the tender package covering design and construction requirements to achieve the client's aspirations. Adept reviewed information received during the design phase and attended regular site visits throughout construction to ensure compliance.

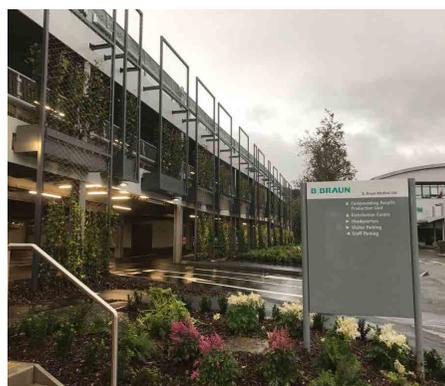
### Phase 2

A new CAPS unit (clean room) extension was designed as a steel frame to complement the existing warehouse.

Propping works to the existing roof were required to remove some existing gable columns. A new reinforced concrete mezzanine was built to the second floor existing portal frame building, providing office space above the existing warehouse facility.

An IFC of the existing building, was inserted into our model to help co-ordinate proposed alterations.

The second floor houses the cleanroom HVAC, BMS, servers and a separate office, warehouse, and air handling unit (AHU). The third floor is furnished with a new staff canteen, locker room, toilets, training and meeting rooms, and offices. Additional warehousing, cold room and pharmacy were also provided. The overall floor space expanded to 2,700 sqm.



# The Glass Works, Barnsley

TOWN CENTRE  
REDEVELOPMENT



## SUMMARY

### Client

Barnsley MBC

### Location

Barnsley

### Project value

£89m

### Architect

IBI Architects

### Contractor

Henry Boot  
Construction

### Project brief

Our largest scheme to date, The Glass Works, is a major town centre re-development scheme located on a 3.8 hectare site around Cheapside. It will provide 590,000 sq. ft of entertainment facilities inclusive of shops, restaurants, multi screen cinema, bowling, a state of the art central library and a 500 space **multi-storey car-park**.

Adept is responsible for the full civil and structural works including external works.

## SOLUTION

The development comprises four separate new steel framed buildings with reinforced concrete piled foundations and underground water attenuation.

The new build structures are located adjacent to existing buildings with party wall matters. Construction includes building over Sough Dyke, a **culverted main sewer** to Barnsley City centre.

The foundations are piled utilising **CFA** bearing piles and contiguous piled walls to basement areas.

Adept has carried out extensive 3D modelling of the buildings, including the 13 cinema screens to coordinate a complex structural geometry to provide structural and acoustic isolation.

The project also includes an extensive **multi-storey car-park** to serve 500 vehicles. The former car-park was demolished and rubble from the 6,500-tonne building

remained on site and was crushed for **reuse**.

### Cost Saving

We re-designed the public realm to allow backfill material to be retained on site instead of the basement void **saving time and cost** in the region of **£400,000**.

The original car-park design was not feasible. Our team redesigned the philosophy of the car-park, which resulted in time and cost savings, whilst adhering to current legislation and the Institution of Structural Engineers' recommendations for car-park structures.

The new car park is situated above the retail levels and is accessed via a circular 'Rotunda' ramp. The entrance and exit were redesigned to be single access and egress instead of two split levels. The building comprises of a braced steel frame construction with composite concrete floors on profiled steel decking.



# Rotherham Interchange

COMMERCIAL



## SUMMARY

### Client

South Yorkshire  
Passenger  
Transport  
Executive  
(SYPTÉ)

### Location

Rotherham

### Project value

£12m

### Architect

John Sheard  
Architects

### Contractor

Tilbury Douglas

### Project brief

The £12m upgrade and refurbishment of this important town centre asset is set to improve the concourses with upgrades to flooring, plinths and glazing. The scheme will also upgrade lighting and passenger facilities including car parking, seating and information displays. New finishes, fixtures and fittings will refresh the interchange, replace failing components and improve the customer experience. This includes new glazed facades, replacing the existing floor surface in its entirety, new concourse and runway ceilings.

## SOLUTION

Adept were responsible for verifying that the structural stability of the building is not compromised by the revised cladding. Wind tunnel testing of the cladding material is part of this assessment.

The repairs to the concrete frame building will be undertaken by a specialist concrete contractor - Adept's engineers are responsible for verifying their solution. Adept also designed the structural solution for new roof top canopies to be introduced on the buildings for weatherproofing and passenger comfort. Previous fire damage to existing areas of the storey above the concourse has resulted in weakened car-park floor areas.

The initial client side engineer had specified a costly replacement of pre-cast planks, but at 10m in length it was not possible to safely remove them. Adept has therefore designed a steel beam solution to strengthen the platform, saving significant time and money.

The internal refit of the interchange also involves a new, high quality customer service building on the ground floor. The two main entrances will be revamped to improve their functionality and aesthetic appearance.



## Our Business Values

Adept is a technology led organisation built around collaborative values.

**We work to Engineer Better Together using BIM.**



Innovation

We design using the latest technology to deliver better results for our customers. Committed to **BIM** and **Industry Standards**.

Excellence

Leaders in quality service and professional development, **Customer focussed, personal** and highly **responsive**. We know how to listen well and deliver value at every stage.

Collaboration

We seek full collaboration at all levels, working in partnership to **exceed** customer expectations through open and honest communication.

Caring

Understanding our clients **requirements** and **targets** is important to us. We provide high levels of customer care to meet their needs.

Sustainable

Responsible sourcing of materials and labour. We look after the **environment** and consider the carbon footprint of our activities.



# Build your future and become a part of our success

## INTERESTED?

If you are interested in this opportunity and would like to discuss it further, please contact Erol Erturan:

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**Adept is an Equal Opportunities Employer**



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