

ADEPT

CIVIL AND STRUCTURAL CONSULTING ENGINEERS



RECRUITMENT BRIEF

Regional Director/Equity Partner

LONDON

www.adeptsce.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.

Founded in January 2007 by business partners Erol Erturan, Richard Parker and Matthew Ramsden. Neil Brown joined the company as a Director in 2019.

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**.

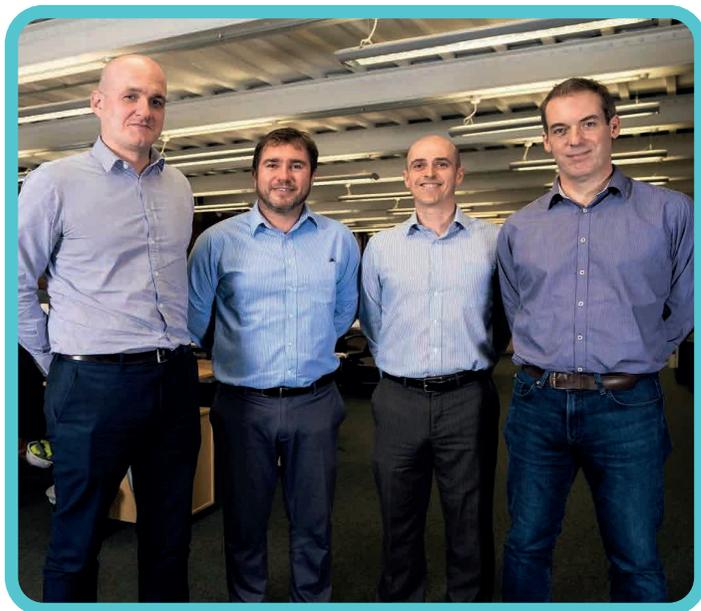
We are customer focused and know how to **listen** well and collaborate with clients, stakeholders and third parties, which is why **80% of our work is generated from repeat business**.

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**



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
- Feasibility studies
- Flood Risk Assessments
- Desktop studies, site investigations
- Drainage
- External works and highways for new build and refurbishment projects
- General civil and structural advice
- Structural surveys and reports for existing properties
- Superstructure
- Detailed designs and drawings of foundations
- Project management and lead consultant services
- Building Information Modelling (BIM) including providing data rich 3D models
- 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

2018 was our most successful year to date and we recruited more staff than ever before. In 2019 we appointed a Director to lead of Manchester office and continued to grow this team in 2020.

Despite the past challenging year we have opened a new co-working space in Sheffield and continued to recruit whilst working from home throughout the COVID-19 pandemic.

2021 will be another exciting year of growth and expansion for Adept. We now have 6 members of the team in Manchester with plans to recruit another engineer and Revit technician later this year.

We plan to appoint a Director in London and a new Associate in Leeds to support our long-term growth strategy. The two new Directors will become key in sustaining our business growth.

Turnover, profit, overall growth and client diversification have been very positive over the past few years. In 2018 for example, our turnover increased 25.5% in comparison to 2017, staff numbers increased by 13% and we won a prestigious award from the Institute 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 £88m 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 very significant for the region and will provide 590,000 ft² of entertainment facilities inclusive of shops, restaurants and a multi-screen cinema.

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.

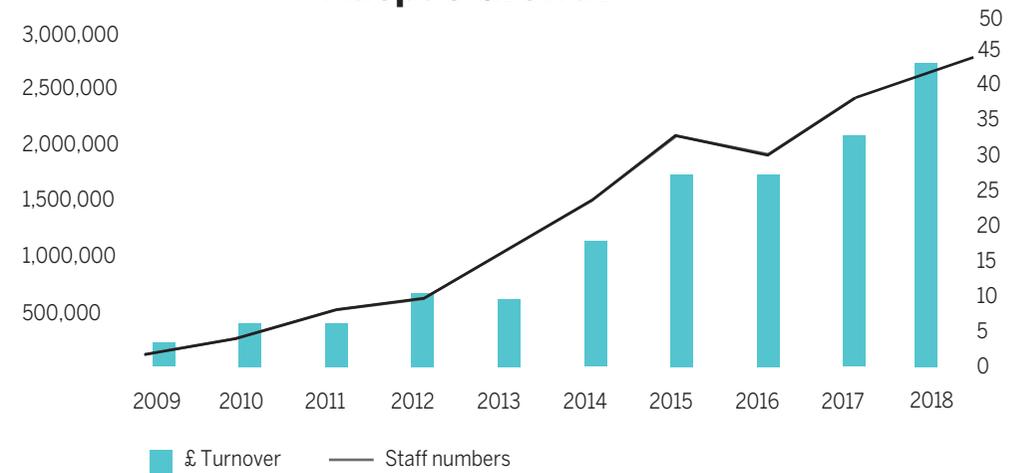
We are committed to sustainability, and during 2020 we have developed tools for calculating the embodied carbon from the structural materials used on a project. This allows us to benchmark designs against the **Structural Carbon Rating Scheme (SCORS)** and can inform the design team to make decisions regarding the materials we use and how these can reduce the overall environmental impact of a scheme.

The Growth of Adept

Within our industry we are recognised for leading service excellence and professional development. This has created a loyal client base and a healthy, continued stream of repeat business.

As we continue to grow and diversify, we are involved in a wide range of schemes nationwide, with many based in Greater London and the Home Counties

Adept's Growth



London Growth

We currently have a number of blue chip clients with offices in and around London, including **ASDA**, **Next**, **Newcrest** and **CBRE** who have introduced us to an impressive, diverse and influential portfolio of customers.

Adept's Leadership team typically travel to and from London around once a week, due to the number of clients and projects we have in the area. Our office, located at 85 Tottenham Court Road, is currently used by staff for client meetings.

Our client base in the south continues to grow and diversify. We have undertaken numerous schemes for Pall Mall based developer Newcrest Estates in Milton Keynes, Aylesbury and Camborne.

Current schemes for Newcrest include an £11m mixed-use development in Ebbsfleet as well as a retail development in Aylesbury.

Other schemes include a total of 28,000m² high bay warehouse for Next and two speculative warehousing units totalling 17,000m² in Waltham Abbey.

In collaboration with CBRE we have worked for a diverse and influential range of customers including QinetiQ, Shell, Google, London Metropolitan University, Honeywell, Post Office and Visa.

We have also completed a number of ASDA contracts in the south, as part of a three year £40m PFS framework agreement. The contracts, with values within the region of £1m, are based in Ferring, Worthing, Watford, Yeovil, Weston-Super-Mare, Brynmwar and Peterborough.

Whilst working for other retailers in the South, we are also actively pursuing development of our petrochemical and energy sector.

Most recently we have delivered the UK's first electric forecourt for GridServe, in Braintree.

The £3m project has the facility to rapidly charge cars and HGV vehicles whilst they are waiting in a purpose built service station.



The Opportunity

Dynamic and optimistic in their approach, we are looking for a key individual with a long-term outlook to facilitate the delivery and management of our office in London which will become the hub for Adept's Southern projects.

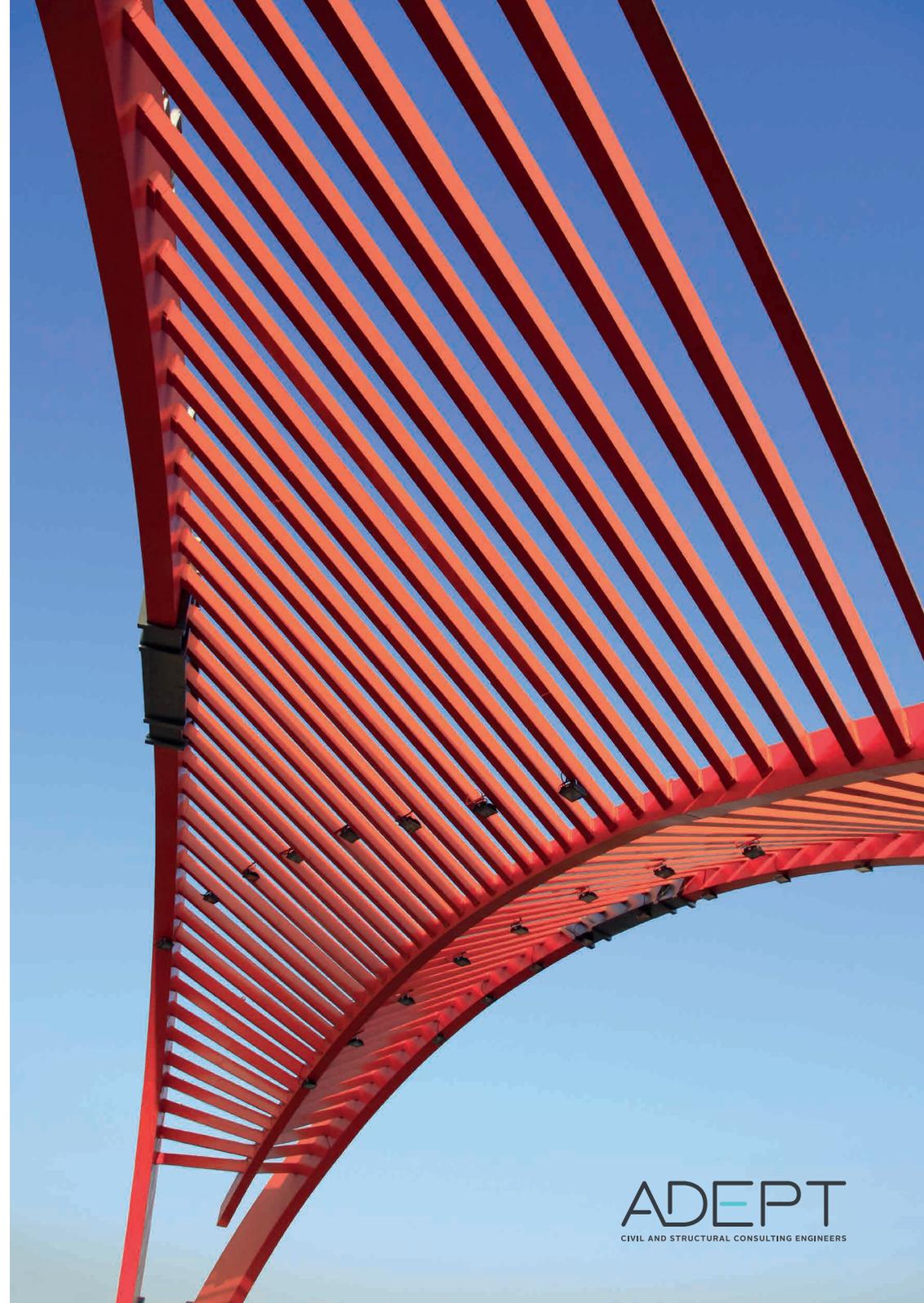
THE PERSON

The successful candidate will be experienced in mentoring and motivating teams and must be confident in winning new business in the Southern region.

We are looking for someone with demonstrable experience of business development, financial management and expertise in winning work and building client relationships, together with excellent technical and project management skills and an ability to deliver results to client's on programme and to budget.

They ideally would have an entrepreneurial background with an understanding of how to develop, nurture, build and grow a business from inception.

They will also have excellent outward facing skills, allowing them to build strong relationships with existing and new clients, working in collaboration with the leadership team based in Leeds who will support the growth of the London office.



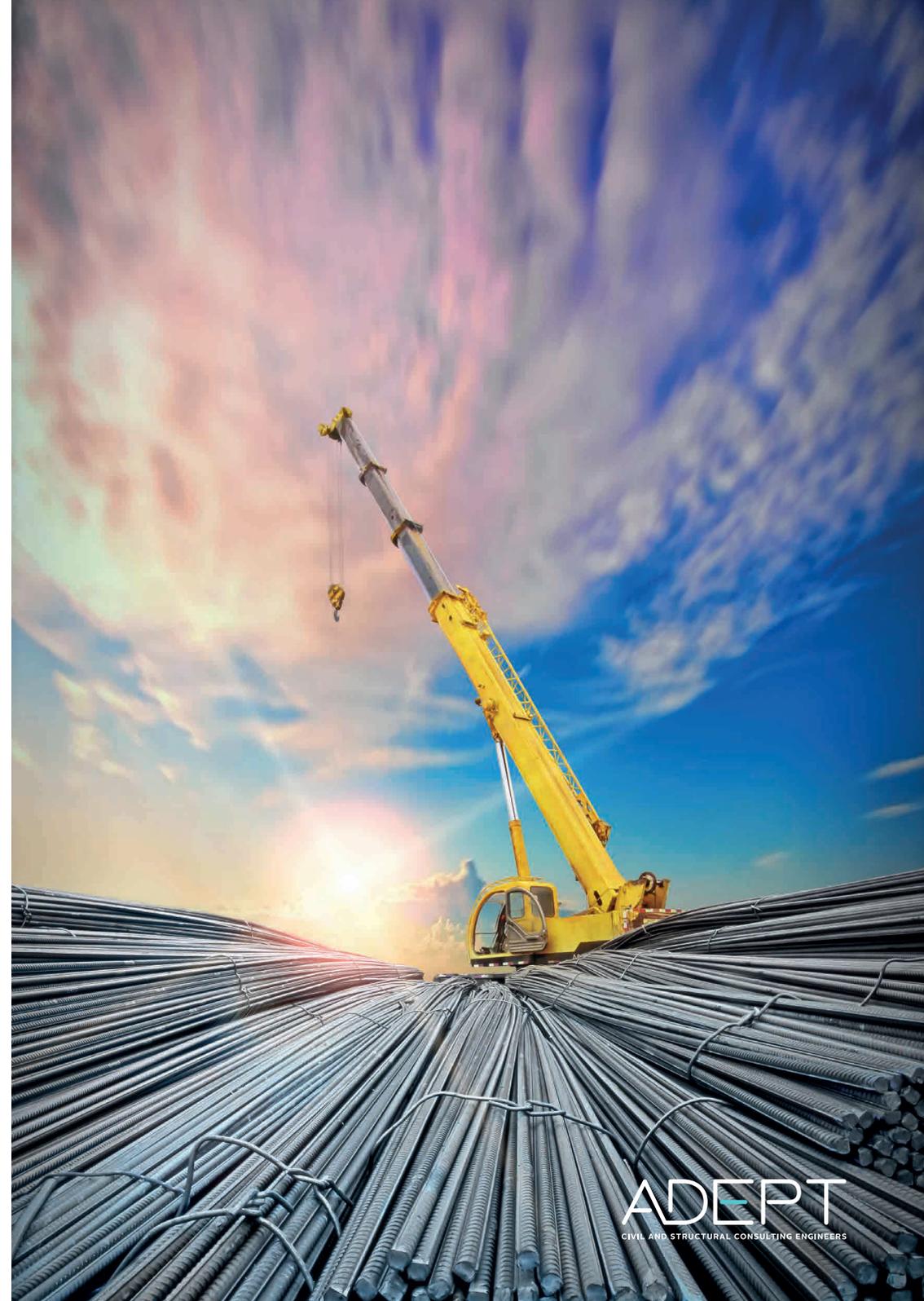
The Opportunity

We are looking to appoint a Chartered Civil or Structural Engineer with a track record in revenue generation and project delivery.

You will play a key strategic role in a rapidly growing company. This opportunity will allow the successful candidate to become an equity shareholder.

SKILLS AND EXPERIENCE

- A person with unquestionable integrity, experience, confidence, and the stature to effectively address major client needs and challenges
- Working knowledge and understanding the principles of Building Information Modelling (BIM)
- A proven track record in revenue generation and project delivery
- Extensive existing relationships, in particular in the Southern region, as well as a strong sector profile with the ability to engage clients and form long lasting relationships
- Extremely strong communication, presentation and negotiation skills
- A hands-on approach to projects and employee management
- A natural troubleshooter who can find simple, efficient solutions to identified challenges or complications.
- Demonstrable leadership, team building and influencing skills
- Natural commercial acumen; selling and delivering complex solutions to the relevant sector clients
- The ability to attain influence, profile and market share that places Adept as one of the 'go-to' civil and structural engineers in the industry



The Role

OBJECTIVES

- Continue to build on Adept's track record and reputation
- To set ambitious yet realistic goals for 2021 onwards.
- Recruit three appropriately qualified individuals within the first year. The team will have the knowledge and expertise to help drive the business forward in the South
- Develop relationships with the key players in the industry. Consequently, have a clear understanding of the pipeline of work for all key clients, activity levels and business strategy
- To develop a cohesive market offering that utilises the company's expertise to develop an offering that really works in the market place
- Pull together the key contacts within the business, utilise market intelligence and combine this with the central expertise and knowledge to develop a winning formula in the sector

KEY RESPONSIBILITIES

- Prepare and implement Adept's London business growth plan with the support of existing directors
- Lead the design process and manage project delivery to a high standard within agreed budgets
- Organise, mentor, empower and manage the new team to be focused on achieving the best market position for the business
- Identify new opportunities and ensure that the best pursuit strategies are in place
- Develop and implement strategies to maintain existing and new client relationships and market position
- Work with individuals and client teams to maximise client and revenue generating activities across the region
- Drive profitable and sustainable growth
- Meet the Managing Director monthly to provide a business report and update
- Develop marketing and communication plans
- Competitor analysis and identifying market/industry trends
- Set KPIs and monitor client satisfaction





Why consider this opportunity?

This is a unique opportunity, which will allow the right individual to build on the existing track record and reputation of Adept. The successful individual will play an integral role in the growth and development of the business in the imminent future and in the years to come.

BENEFITS

We are offering a competitive salary and negotiable share option with a range of benefits inclusive of a contributory pension, healthcare scheme, tailored training opportunities and the opportunity to attend a range of employee social events.

The finer details of the remuneration package will be discussed in person but there will be a range of options available to suit you.

There will be a number of options for the successful candidate including a dividend based incentive.

You will also have the opportunity to invest in the company and become an **equity shareholder**.

The shareholding agreement will be negotiable and dependent on the total amount invested.

Help and support from our Leeds based Directors and Associate Directors will be available, should you need advice or a second opinion. Our leadership team have the expertise and experience to help guide you through the process.

Adept's directors are dynamic, personable, enthusiastic and respected with a wealth of industry experience in project work, management and business development. They have a strong appetite for growth and success and are very well equipped to help you through the process.

In 2012 our Managing Director, Erol Erturan, attended the Goldman Sachs 10,000 Small Business Growth Programme. The programme was a combination of formal learning, mentoring, and peer-to-peer support and brought together leaders of small businesses from across industry sectors to create unique networking and peer learning opportunities.

During the programme Erol developed a customised Growth Plan to direct Adept's business strategy and expansion. The strategy was later implemented which helped the leadership team to facilitate Adept's continued success and growth.

Adept is an Equal Opportunities Employer
Adept is a Mindful Employer

ADEPT
CIVIL AND STRUCTURAL CONSULTING ENGINEERS



Testimonials

"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

"Adept have consistently demonstrated their ability to work with HBC and our partners collaboratively providing innovative, sustainable and **cost effective solutions**, dealing efficiently with any issues on site."

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."

Justin Martin, Design Manager, ENGIE

"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**

"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|Architects Ltd

"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 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

"ISG has appointed Adept on several projects in the education sector, notably Stephen Longfellow Academy, Wynyard Primary School, Hunslet Moor Primary School and Cambrai School. We have created a reliable team and built a strong relationship with Adept. The quality and expediency of the design and technical input has been excellent".

Andy McHale, Senior Design Manager, ISG

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 **service is unparalleled**. Well-staffed at all levels, approachable, proactive and responsive on all construction schemes and sectors"

Michael Bickle, Director, Michael Eyres Partnership

Our clients



Industry Recognition and Accreditations

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



BIM Level 2



Constructionline
Gold Member

*The Institution
of Structural
Engineers*



KEY STAFF AND CASE STUDIES



MIXED-USE DEVELOPMENT, EBBSFLEET GARDEN CITY, NORTH KENT - CONSTRUCTION PHASE



**ENGINEERING
BETTER
TOGETHER**



**ENGINEERING
ETHICS
BETTER TOGETHER**

ADEPT



EROL ERTURAN | MANAGING DIRECTOR BSc, MSc, CEng, MIStructE, 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 PLC

New automated warehouse with 60,000m² footprint and 8,500m² 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 flexibility for further expansion in the future

London Metropolitan University

Client: CBRE

Various improvement schemes for student and staff educational facilities to improve the user experience by modernisation.



- Adept provided structural and geo-technical investigations and reporting for a number of buildings in Holloway, Moorgate and other campuses for proposed improvements.

SEW Eurodrive, Normanton

Value: £10m

Client: SEW Autodrive

New 9000m² assembly facility and UK HQ offices. The scope of services included substructure, superstructure, external works and drainage design



- The design concept for the scheme was developed as a holistic approach, combining the best practices in all building consultancy disciplines.
- Advanced 3D modelling tools, as well as BIM design processes, were coordinated with the architect.
- The assembly hall is dual height of approximately 7m and 11m to underside of the roof formed from three steel portal frames
- The two storey office block building incorporated upper floors constructed from reinforced concrete metal decking

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, Vistry Partnerships

EXPERIENCE

Ebbsfleet Commercial Centre, Garden City

Value: £11.5m

Client: Newcrest Developments

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Ebbsfleet is the first UK garden city to be planned in over 100 years
.....

- Major development to provide residential housing, commercial space, retail and leisure facilities. Adept played a major role in the scheme, providing structural and civil engineering works



EXPERIENCE

Cambourne industrial estate, Cambridge

Value: £4m

Client: Simons Group

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Civil and structural services including substructure, superstructure, highways and drainage design. The project comprised 22,300 square feet of shops, and 100 percent of pre-lettings were secured, to Home Bargains, Iceland and Just For Pets.
.....

- The foundations to the columns of the two-storey units were traditional mass concrete with external and internal blockwork walls, supported on concrete strip footings, reinforced for the vibro treated units
- The first floor construction comprised a composite metal deck floor with reinforced concrete with computer floor.



Park Road, Telford

Value: £9m

Client: Wrekin Housing Trust

.....
Affordable housing development for main contractor Vistry Partnerships
.....

- Residential development of 90 units, providing a mixture of one, two, three and four bedroom homes, all being made available for affordable rent



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

EXPERIENCE

Rotherham Interchange

Value: £12m

Client: Sheffield Combined Authority

Extensive refurbishment scheme to Rotherham Interchange following fire damage.

- Jefferson Sheard Architects worked on this important town centre asset, with a focus on refreshing the concourses with upgrades to flooring, plinths and glazing
- The building has undergone recladding and Adept have been responsible for proving the structural stability of the building is not compromised by the revised cladding
- Adept have also designed the structural solution for new roof top canopies which are being introduced on the buildings for weatherproofing and passenger comfort.



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.



Oakridge Park, Milton Keynes

Value: £3.5m

Client: Simons Construction

New retail premises and mixed-use commercial development

- This scheme for Newcrest Developments included a new 15,000ft² ASDA store plus a mixed-use commercial parade of around 10,000ft², incorporating potential retail, beauty and medical uses
- Adept provided full civil and structural design solutions meeting complex needs for quality of space, satisfying occupational requirements on time and on budget.



Ebbfleet Garden Village, North Kent

MIXED USE
RESIDENTIAL

SUMMARY

Client

Newcrest Estates
Ltd

Location

Ebbfleet

Project value

£11m

Architect

Barton Willmore

Contractor

Simons Group

Project brief

An extensive, high quality mixed use development of new homes and commercial units, to create a new town centre neighbourhood.

It comprises 10 townhouses, a **4 and 5 storey apartment block of 46 units** and 10,000ft² of retail space at ground level.

One unit will accommodate a convenience store and the others will house non-food retail, small businesses, a café and a takeaway to provide services to local residents.

SOLUTION

Challenging Ground

The development is built on the site of a **former quarry**. Previously infilled in 2007, it was given a Characteristic Gas Situation of **CS2**.

For the townhouses, we designed a reinforced ground bearing raft foundation solution that worked in conjunction with a **specialist installed gas membrane** to meet the gas protection requirements of the site. This meant we avoided the need to provide a suspended ground floor construction with ventilated void. The townhouses were constructed in timber and brick clad.

Due to predicted settlements of the fill over the life of the building, a floating pile foundation solution was considered the most appropriate for the mixed-use blocks. Individual pile lengths

were calculated, to limit differential settlements.

A steel frame with composite metal deck floors was the chosen as the structural solution for the building superstructure. This design minimised the number of columns within the retail areas and apartments.

Differences in the height of the building work well with the varying levels of the site.

Collaboration

Frequent Revit model sharing with the architect enabled co-ordination of the structural elements, enhancing multi-disciplinary working.

Rigorous drawing checking and sign-off procedures were implemented utilising the 4Project common data environment. Site issues were minimised as a result.



Warehousing & Offices

Adept is providing full civil and structural engineering services for a **new 750,000sqft warehouse** including **Grade A offices** and a **photography studio**. The client's intention is to achieve **BREEAM excellent** performance.

NEXT, Waltham Abbey

The client split the site into three plots (with three developments in mind), each with varying topographical conditions. A feasibility exercise took place to evaluate the best approach to the development and to assess whether the plots should be developed individually or simultaneously.

Adept used Autodesk InRoads to initially assess the existing topography, site constraints and adjacent highways. This enabled us to ascertain the preferable approach to the cut and fill modelling.

From this, Adept utilised Autodesk Civil 3D. A balanced cut and fill over the development was considered, removing earth from a western hill plot and distributing it into a natural depression on the Central and Eastern plots.

Each plot was assessed in isolation to balance the developments in stages. Civil 3D software dynamically linked all models to ensure the excavated material could be moved around on site (reducing removal requirement) which minimised environmental impact.

The 3D modelling methods used allowed for exploring different options and redesign of the site layout and highway entry positions to be modified quickly according to planning requirements. This calculated formation levels, construction levels, highway centre line levels and attenuation pond areas, depth and accurate cut and fill volumes. This in turn accelerated design processes, improved accuracy and enabled the entire supply chain to fully understand the site.



Rudding Park, North Yorkshire

PROJECTS

SPA REDEVELOPMENT SCHEME

Rudding Park is a privately owned luxury five star hotel in 300 acres of gardens and woodland and is situated in Harrogate, North Yorkshire. The existing hotel has been developed and extended over a number of years. We were appointed to carry out specialist structural designs for Rudding Park's new, state of the art, contemporary £9.5m spa expansion. The spa was designed to be spacious, light and airy. We worked with main contractors Henry Boot and Howard Civil Engineering on the project which included a 17 metre swimming pool, a hydrotherapy suite, thermal rooms, treatment complex, restaurant and bar as well as a feature rooftop garden.

Designed by Leeds based Architects, Enjoy Design, the three storey structure features basement level treatment rooms, with the main pool on the ground floor. The sauna and steam rooms are contained within a glass structure at first floor level. From the outside, the true scale of the building is deceptive as many of the facilities are submerged below ground.

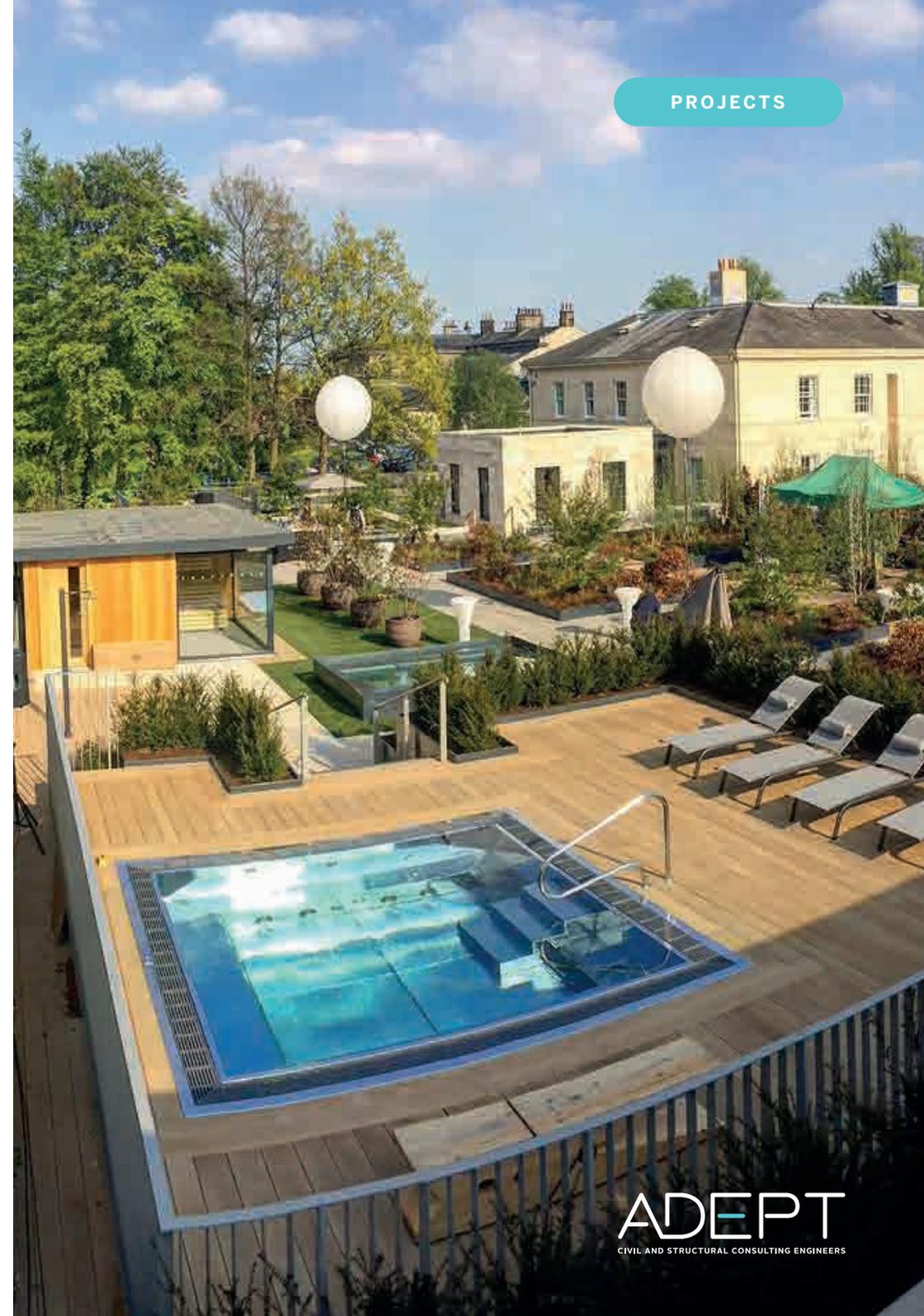
Adept designed and detailed the civil and structural elements of the project, including the reinforced concrete structures for the main building and basement areas, the swimming pool and suspended first floor level hydrotherapy pool. The spa extension is the latest addition to the hotel's impressive range of facilities which include a 90-bed four star hotel, the AA Rosette Clocktower Restaurant, golf course, cinema, conference.

"This was a stunning project to work on, however, it was also a very complex project because of the vast weights involved. The roof garden alone has a loading requirement of over a tonne per square metre in places, once it had been landscaped. To overcome this, we designed a reinforced concrete frame which has the added benefit of being extremely water tight and very good acoustically, which means parts of the building are very quiet to enhance its relaxed ambience."

**Erol Erturan, Managing Director,
Adept Consulting Engineers**

"Our new Spa surpasses anything else in the north of England. The whole project was designed to recapture Harrogate's Spa heritage, by providing a range of superb facilities in tranquil surroundings, and we were delighted to work with such an experienced team of consultants to deliver the scheme."

**Peter Banks, Managing Director,
Rudding Park**



Leeds Kirkgate Market

REFURBISHMENT AND IMPROVEMENT SCHEME

Situated in a prime city centre location, on Vicar Lane, Leeds, the Grade I Listed building had a major £12.3m refurbishment and improvement scheme by Leeds City Council.

Leeds Kirkgate Market is one of the largest indoor markets in Europe and is of significant local and historical importance, having enormous relevance to the diverse communities of Leeds and the wider Yorkshire region.

Adept's role was key to the success of the development scheme. Appointed by the contractor Interserve, we provided a full range of civil and structural engineering services on the project. Our services included designing the structures for the Market's new retail units and service areas, as well as creating a brand new event space that will become one of the Market's key focal points. We were also responsible for verifying the adequacy of the roof structure, designing a replacement floor slab and upgrading the market's drainage system.

The work to the roof areas provided a large proportion of the work and Adept were able to provide condition surveys to both the historic roofs and the more recent 1976 and 1981 space frame roofs. These roof inspections were coupled with coordinating an analytical survey which proved the loading capacity of the existing structures and together enabled Adept to provide direct advice to the council on matters pertaining the roof.

"This was a complex project because the Market was mostly constructed in four main periods dating back to 1875, 1904, 1976 and 1981 and each section has its own history and challenges. Large parts of the building are in need of repair and the drainage system is antiquated by today's standards".

Matthew Ramsden, Director, Adept Consulting Engineers

"Adept's team has a wealth of experience working on other large-scale and historical buildings and immediately understood the project's requirements, which made them the ideal engineers for us to work with."

Eamonn Cahill, Senior Project Manager, Interserve

PROJECTS





Build your future

INTERESTED?

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

m: 07905 495 434

t: 0113 239 4518

e: erol.erturan@adeptcsce.com

Adept is an Equal Opportunities Employer



ADEPT
CIVIL AND STRUCTURAL CONSULTING ENGINEERS