

ADEPT

CIVIL AND STRUCTURAL CONSULTING ENGINEERS



RECRUITMENT BRIEF

Structural Engineer

LEEDS

www.adeptcsce.com

 **ENGINEERING
BETTER
TOGETHER**



Adept is a dynamic, strongly established civil and structural engineering consultancy with an excellent reputation for the delivery of complex and specialist projects.

Formed in 2007 by Erol Erturan, Matthew Ramsden and Richard Parker, Adept has grown to employ seventy engineers, technicians and support staff across bases in Leeds, London, Manchester, Sheffield, Birmingham and Hull. Since 2007, the business has delivered around 4,000 schemes with a total project value approaching £3.5 billion.

Our 'hands-on' Director-led approach ensures we carefully manage progress on every scheme. We invest in the best people who work collaboratively using the latest technology to deliver innovative, value-for-money civil and structural solutions on time and to budget.

The success of our approach is evident in our 80% repeat business rate, as clients trust us to consistently deliver reliable, high-quality results.

Our Sectors:

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

The Opportunity

Dynamic and optimistic in their approach, we are looking for an ambitious and well rounded **Structural Engineer** who can identify innovative and cost effective strategies and design solutions.

THE PERSON

- In depth structural engineering knowledge
- Motivated, collaborative, passionate
- Reliable and enthusiastic
- An analytical and detailed approach to work
- A confident team player with good interpersonal skills
- A creative innovator with a technical approach to projects and tasks
- 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 hands-on approach to projects
- A natural troubleshooter who can find simple, efficient solutions to identified challenges or complications
- A keen interest in the design and structure of buildings

SKILLS AND EXPERIENCE

- 3+ years experience in the industry, nearing chartered status
- Good problem-solving skills
- Sound understanding of physics and mathematics
- Three-dimensional conceptual skills
- Strong communication, presentation and negotiation skills
- Diagrammatic skills
- The ability to work effectively and efficiently within a team
- Attention to detail
- The ability to liaise well with professionals from other disciplines
- Excellent knowledge of relevant software
- The ability to work on multiple projects simultaneously



The Role

The work is office-based with occasional visits to construction sites. The role itself is both technical and creative.

OBJECTIVES AND KEY RESPONSIBILITIES

- The preparation of reports, specifications, designs and drawings, briefing documents, feasibility studies and options appraisals
- Assisting with or leading a variety of projects to completion; undertaking integrated 3D modelling and structural design
- Structural analysis with a particular focus on calculations in relation to loads and stresses
- Obtaining building regulations approval
- Assessment, monitoring and integration work undertaken by specialists
- Value Engineering exercises with contractors
- Managing projects from inception through to completion
- The consideration of the strength of various materials, e.g. timber, concrete, steel and brick, to evaluate how their inclusion may necessitate a change in structural design
- Liaison with other designers, including architects and contractors, to agree on safe designs and their fit with the aesthetic concept of the construction
- On-site inspection, structural surveys and reports
- Proficient in the use of structural design software such as Robot, Tekla Structural designer & MasterSeries
- The examination of structures at risk of collapse and advise how to improve their structural integrity, such as recommending removal or repair of defective parts or rebuilding the entire structure
- Work collaboratively with geotechnical engineers to investigate ground conditions and interpret results of geoenvironmental reports.
- Liaison with construction contractors to ensure that newly erected buildings are structurally sound
- Apply expert knowledge of the forces and their subsequent effect on various structures
- Site appraisals and surveys
- Appraising geotechnical and geological investigations
- Material investigations
- Ground improvement studies
- The structural design and detailing of foundations, retaining walls, buildings, for example
 - Assessment of special loads
 - Building regulations submissions
 - Defect assessment and the development of remediation solutions





Why consider this opportunity?

BENEFITS

Our **Leeds office** is located at Sunnybank Mills in Farsley, a beautifully restored mill complex that provides an inspiring and welcoming workspace.

This role offers an exciting opportunity to join a forward-thinking company that values innovation, collaboration, and personal development. You will be working alongside a dedicated and supportive team, contributing to a positive and dynamic working environment

We are offering a competitive salary which is dependent on experience. We are also offering a range of benefits inclusive of:

- A discretionary profit and performance-related annual bonus
- Contributory pension scheme
- Holiday purchase Scheme
- Hybrid and flexible working
- Paid professional membership fees
- Private Healthcare scheme
- Monthly gym membership contribution
- Electric vehicle scheme
- Cycle to Work Scheme
- 22 days annual leave (in addition to bank holidays),
- Employee social events
- £100 birthday bonus
- Death in service payment

Please see our [Benefits Brochure](#) for further information.

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.

We genuinely believe in the benefits of providing a pleasant working environment where staff are respected, informed and given opportunities to better themselves.

Our Social Committee organise and run several social events every year.

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.

For project delivery we use a wide array of technical software, bespoke solutions and modules.

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.

Our 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 and 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. Our current interests lie in mesh feature recognition from point clouds, LEAN processes and practical Virtual Reality.

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



The Adept Culture and Team

We know that a happy workforce leads to increased morale, productivity, and efficiency. Our culture is based on being staff focused and we genuinely believe in the benefits of providing a pleasant environment where staff are respected, supported and given opportunities to better themselves.

CULTURE AND TEAM

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.

ICE TRAINING SCHEME

The Institution of Civil Engineers (ICE) Training Scheme is one of the best and quickest routes towards becoming a professionally qualified Civil Engineer. We are recognised as an ICE Approved Employer and able to operate within the scheme.

Trainees on the scheme are students and graduates that want to progress towards Chartered (CEng) or Incorporated Engineer (IEng) status.





Build your future and become a part of our success

INTERESTED?

To apply, please send you CV and covering letter to jobs@adeptcsce.com

Adept is an Equal Opportunities Employer



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