

SENIOR STRUCTURAL ENGINEER

- **Vacancy** Senior Structural Engineer
- **Contract** Full time permanent/ Flexible working hours
- **Location** Derby or Leicester office

THE ROLE

GCA Structures Division are seeking a highly motivated, dedicated Senior Structural Engineer to support the Structures Team, and work with an existing team of talented Chartered, mid-level and graduate engineers.

The successful candidate will have sound experience in a wide variety of Structural Engineering projects and have undertaken complex and challenging structural design projects from conception to completion.

Our high-performing team of professionals are looking for an individual aspiring to be a technically excellent design engineer. The projects are diverse and include bespoke new build structures, refurbishment and heritage projects. One of GCA's core values is re-use and sustainable engineering design.

THE GCA TEAM

GCA is a well-established practice with offices across the Midlands, operating since 1975. We have been providing high quality detailed technical design on projects UK wide. Our client base includes architects, developers, fabricators and building owners.

In addition to mainstream structural design (steel, concrete, timber and masonry), we specialise in unique and bespoke projects including complex timber structures, theme park structures, sculptures, eco houses and river alterations.

We are proud of the support provided to all our staff including mentoring, individual personal development plans and a friendly and supportive working environment.

Our success and skill has been recognized through recent awards including:

- IStructE Best Small Project Award, 2025
- IStructE Best Conservation Project, 2025
- IStructE Best Small Project Award, 2023
- Constructing Excellence Integration & Collaborative Working Award, 2021
- National Constructing Excellent Conservation & Regeneration Award, 2021

A full list is available on our website.

RESPONSIBILITIES

- Delivering projects with a detailed knowledge of structural design and detailing using all relevant UK and European codes of practice
- Producing preliminary design solutions and reviewing with clients as part of design strategy
- Producing detailed designs, calculations and specifications and technical reviews
- Attendance at design, project progress, and client engagement meetings
- Liaising with contractors, clients, third party organisations and stakeholders, answering queries in relation to technical detailing
- Design in all forms of construction including steelwork, reinforced / precast concrete, masonry and timber
- Structural appraisals of commercial, industrial and residential structures
- Management of projects cost and programme
- Management of sustainability criteria
- Complying with designers' duties under the CDM Regulations
- Produce sketches, drawings and writing structural appraisal reports
- Knowledge of BREEAM, sustainability objectives and embodied carbon
- Supervising the CAD/Revit technicians and junior engineers on technical / construction details and undertaking QA reviews
- Where appropriate, business development through managing existing clients and being alert to new business opportunities.

ESSENTIAL SKILLS AND CHARACTERISTICS

- A strong understanding of practical and theoretical structural behaviour.
- Confident in the design of timber, masonry, steel and concrete to British Standard or Eurocodes.
- Experience in undertaking structural surveys for a range of scenarios including residential and commercial defects.
- Good experience of structural analysis and appropriate use of design software
- Strong attention to detail and accuracy of own work and an ability to check and review the work of others working with you
- Committed, diligent and having integrity
- Ability to supervise junior staff and report to senior staff.
- Be proactive without supervision when required.
- A client-focused approach with good interpersonal and communication skills
- Minimum 2:1 BSc/BEng in Civil/Structural Engineering or equivalent
- Full UK driving license and own transport
- Chartered or working towards Chartership with IStructE or ICE
- +4 years relevant experience

WHY THIS ROLE

- Delivering in diverse and exciting sectors
- Joining a diverse and dynamic team of highly skilled design engineers who are dedicated to making a positive impact in their communities through their work.
- We specialise in conservation engineering, providing unique opportunities to work on historic buildings if desired.

- Excellent opportunities for advancement and leadership opportunities for the right candidate

REMUNERATION AND BENEFITS

We value and promote a positive work-life balance and encourage every member of our team to get involved with community and company events.

Providing a balanced, enjoyable career is important to us and we work hard to make sure everyone feels a valued part of our organisation.

We offer:

- Attractive salary dependent upon experience
- 25 days holiday (22 days floating and 3 days Christmas closure) plus statutory Bank Holidays
- Annual profit share, dependent on profits, but averages at 2.5% of salary
- Annual salary reviews
- AXA private healthcare
- Regular social/ lunches and family day events
- Stakeholder pension
- Professional subscriptions
- Professional exam fees
- Funded external engineering training courses
- CPDs, workshops and mentoring
- Free on-site parking
- Cycle to work scheme
- Flexible, friendly and supportive work environment