

Role Profile

Rendel Limited, an Ingérop company, is a London based multidisciplinary international design and engineering consultancy firm. We provide customer-focused engineering and technical solutions to clients on major engineering construction projects worldwide.

We are involved in schemes through their full life-cycle including development; planning; detailed design; independent design checking; value engineering; technical advisory; and construction supervision services. Rendel's origins date back to 1838, making us one of the oldest civil engineering consultancy companies in the UK.

We are proud of our track record of success in global construction markets, providing technical solutions for many complex infrastructure projects, notably bridges, geotechnical, highways, ports and maritime, rail systems and tunnels (including immersed tube tunnels). Current major projects include Hinkley Point C, High Speed Two (HS2), Padma Bridge, Eurotunnel Terminal upgrades and Al Zour Refinery.

JOB TITLE	Structural Site Engineer
LOCATION	Bristol, UK
TRAVEL	A willingness to travel is essential
MINIMUM REQUIREMENTS	<ul style="list-style-type: none"> ▪ Chartered/Near Chartered Engineer; ▪ Structural engineering (concrete and steel) experience on major assignments for a range of Clients in various construction market sectors; ▪ English and French speaking;
JOB DESCRIPTION	
DUTIES AND RESPONSIBILITIES	
<p>Office-based:</p> <ul style="list-style-type: none"> ▪ Utilise TEKLA Structures in the modelling of reinforced-concrete and steel plate structures; ▪ Produce 3D models, 2D engineering drawings and bar bending schedules; ▪ De-clash reinforcement and anchor plates on TEKLA 3D models; ▪ Work closely with Design Engineers to help finalise details and designs. In some cases, undertake concrete local calculations using ETCC (EPR Technical Code for Civil Works); ▪ Work as part of a team and communicate work status to the team on a regular basis. Inform the Project Manager of risks to update the project register; ▪ Apply nuclear building construction techniques in the production of models and drawings; <p>Site-based:</p> <ul style="list-style-type: none"> ▪ Check plans, drawings and quantities for accuracy of calculations; ▪ Ensure that all materials used and work performed are in accordance with the specifications/drawings; ▪ Liaise with other consultants, subcontractors, supervisors, planners, quantity surveyors and the general workforce involved in the project; ▪ Oversee quality control and health and safety matters on site related to the scope of works; ▪ Prepare quality reports as required; ▪ Resolve any unexpected technical difficulties and other problems that may arise. <p>General:</p> <ul style="list-style-type: none"> ▪ Assist in the management of the design process that may include other related design disciplines/teams ▪ Assist with coordinating design as part of an internal team and liaising with external associated professionals and clients; ▪ Implement and adhere to Company procedures and best practice in the management, delivery and administration of Services; ▪ Uphold the Company Health & Safety and Environment Policies across all activities ▪ Undertake other reasonable duties as requested; ▪ Regular travel between UK and France; 	

PERSON SPECIFICATION

KEY EXPERIENCE AND QUALIFICATIONS

- Degree qualified Civil/Structural Engineer; post graduate qualifications would be an advantage;
- Chartered (or near Chartered) in a relevant discipline (ICE, IStructE);
- Working knowledge of structural processes and design, with an emphasis on data interpretation, design & analysis, construction and advanced numerical modelling;
- Structural design experience including foundations, retaining structures, buildings or bridges etc.
- Working knowledge of Eurocodes and other national and international industry standards, contracts, methodologies and procedures;
- Experience of computer analysis and design in common materials i.e. steel and concrete;
- Awareness of health and safety, including possession of Current CSCS Card;

COMPETENCIES

- **Technical Skills:** Excellent problem solving and design skills with ability to deliver practical solutions
- **Communication Skills:** Good interpersonal skills, ability to communicate effectively to all levels both internally and with external clients. Excellent reporting writing skills
- **Critical Thinking:** Ability to think and act operationally to respond quickly to changing circumstances whilst maintaining a clear view of overall priorities. Ability to work under pressure and ensure deadlines are met, whilst maintaining high quality output
- **Team Skills:** Exceptional team working skills to be able to contribute to and collaborate with multi-disciplinary teams, but also has the capacity to work independently to a high standard, as the assignment nature dictates
- **Business Acumen:** Results oriented with a proven ability to work to defined, agreed targets and priorities

IT SKILLS

- Knowledge and experience in structural analysis/finite element software such as:
 - LUSAS
 - Masterframe
 - RM Bridge
 - SAM (Autodesk Structural Bridge Design)
 - WALLAP / PLAXIS (2D/3D);
 - TEKLA (2D/3D);
- Excellent Microsoft Office abilities (particularly Excel)
- Programming / scripting knowledge

PERSONAL STYLE AND BEHAVIOUR

- Self-motivated and committed, with a high degree of integrity
- A team player who seeks to positively contribute to the working group with a collaborative attitude
- Convincing in terms of a capacity to translate objectives into effective practical steps
- Able to perform effectively within changing environments; demonstrates willingness and flexibility of availability to meet business needs
- Demonstrates a strong need to achieve, setting high standards for self and others. Committed to the value of own role, takes initiative and focuses on improving business performance
- Commitment to own personal development