

Role Profile

Rendel, an Ingérop Group company, is an international, multidisciplinary design and engineering consultancy, headquartered in London with offices in Birmingham, Bristol and Sydney, Australia. We provide client-focused engineering and technical solutions on major engineering construction projects worldwide in the infrastructure, energy and industry sectors, and working with contractors, international monetary funds and developers.

We are involved in schemes at all stages of the 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 consultants in the UK.

We are proud of our global track record, providing technical solutions for many complex infrastructure, energy and industry projects. Our experience includes bridges, ground engineering, highways, ports, industry, energy, rail systems and tunnels. Current major projects include HS2 rail and Hinkley Point C nuclear power station in the UK; Padma Bridge in Bangladesh; the Kampala-Jinja Expressway in Uganda; Hay Point Coal Terminal Berth 2 in Australia; and the Port of Abidjan in Côte d'Ivoire.

JOB TITLE	Geotechnical Engineer
LOCATION	London or Birmingham
TRAVEL	A willingness to travel is essential
MINIMUM REQUIREMENTS	<ul style="list-style-type: none"> ▪ Civil engineering degree with relevant post graduate geotechnical / engineering geology qualification(s) <ul style="list-style-type: none"> ➢ Candidates with geological degrees will be considered, provided they have experience in soil mechanics/geotechnical engineering and demonstrate sound numerical geotechnical experience, or with an MSc/PhD in a geotechnically related subject (e.g. soil mechanics) ▪ Geotechnical consultancy experience on large, complex projects ▪ Experience in major assignments for a range of Clients in various construction market sectors
JOB DESCRIPTION	
DUTIES AND RESPONSIBILITIES	
<ul style="list-style-type: none"> ▪ Undertake assignments in the UK and overseas, as directed, supporting the delivery of high quality outputs ▪ Assist in the implementation of best practice and procedures ▪ Assist and support the development and maintenance of a high level of technical capability within the skill area as may be required to deliver the service offerings targeted for in each market sector ▪ Adopt procedures for standardisation of work products and deliverables, and peer review to ensure consistency and excellence in service delivery of the Company's technical work product ▪ Implement and adhere to Company procedures in the management, delivery and administration of Services ▪ Ability to identify appropriate opportunities and prioritise efforts in securing these opportunities to achieve targets ▪ Maximise fee income and utilisation ▪ Monitor time and budgets against assignment programme and agree appropriate actions where necessary ▪ Uphold the Company Health and Safety Policy across all activities ▪ Undertake other reasonable duties as requested 	

PERSON SPECIFICATION

KEY EXPERIENCE AND QUALIFICATIONS

- Degree qualified in Civil Engineering with a post graduate qualification in a geotechnically related subject from an accredited college or university
- Preferably UK chartered, or nearly chartered, in a relevant discipline
- Working knowledge of geotechnical and engineering geological processes and design, with a particular emphasis on data interpretation, design & analysis, construction and advanced numerical modelling
- Working knowledge of Eurocodes and other relevant national and international industry standards, contracts, methodologies and procedures
- Detailed geotechnical design experience including deep and shallow foundations (vertical and lateral capacity, settlement), deep excavations, basements, retaining structures, earthworks, soil and rock slope engineering, ground improvement, seismicity and liquefaction and instrumentation and monitoring
- Ground investigation experience, including design, preparation of tender documents, supervision, interpretation
- Understands the standard basic engineering work planning, scheduling and cost estimating
- Experience should include large scale (c.£100m+), high profile infrastructure projects, for a range of Clients in various construction markets
- Geomorphologic, coastal and maritime experience would be beneficial
- Basic contractual knowledge and experience would be beneficial

COMPETENCIES

- **Technical:** Excellent problem solving and analytical skills. Able to use design skills to propose and deliver practical solutions to deadline
- **Communication:** Good interpersonal skills; ability to communicate effectively to all levels both internally and with external clients. Capable of presenting and producing written reports to a high standard
- **Critical Thinking:** Ability 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 delivering high quality work
- **Team:** Strong team work to contribute to and collaborate with multi-disciplinary teams. Also able to work independently to a high standard
- **Languages:** proficient in foreign languages (particularly French and Spanish) is an asset

IT SKILLS

- Proficient in 2D finite element analysis software (e.g. PLAXIS, Z-soil)
- Experience in the use of geotechnical software (WALLAP, LPile, GPile, DPile, SlopeW, gINT, or equivalent)
- Excellent Microsoft Office Abilities (particularly Excel, C+++)
- 2-D and 3-D computer aided design and computer aided engineering (CAD and CAE) tools

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