

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	Senior Geotechnical Engineer
LOCATION	Birmingham
TRAVEL	A willingness to travel and international experience are desirable
MINIMUM REQUIREMENTS	<ul style="list-style-type: none"> ▪ Chartered (or near Chartered) Civil Engineer, with relevant post graduate geotechnical / engineering geology qualification(s) <ul style="list-style-type: none"> ➢ Exceptions can be made for candidates with geological degrees that have an MSc/PhD in soil mechanics/geotechnical engineering and demonstrate sound numerical geotechnical experience. ▪ Substantial experience in major international assignments in various construction markets ▪ "Hands on" geotechnical design engineer with experience managing projects, budgets and resources
JOB DESCRIPTION	
DUTIES AND RESPONSIBILITIES	
<ul style="list-style-type: none"> ▪ Lead and undertake assignments in the UK and overseas, supporting the delivery of high quality outputs ▪ "Hands on" geotechnical design engineer capable to work fully independently and as part of a team ▪ Act as assignment manager, producing and overseeing technical delivery, commercial aspects, financial controls (forecasting & budgeting), planning, resourcing and troubleshooting ▪ Assist and support a high level of technical capability within the skill area as may be required to deliver the service offerings targeted ▪ Assist with the organisation and management of the technical staff, acting as a line manager as required, mentoring fellow engineers, supporting staff recruitment, training, CPD and implementation of 'Best Practice' and procedures ▪ Assist Graduates through the processes and requirements for completion of their Chartership ▪ Assist in providing appropriate resources for the successful delivery of assignments in the UK and overseas, maximising fee income ▪ Assist Market Sector Leader to source and develop business opportunities, producing tenders, and building client relationships in the UK and overseas ▪ 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
- Maintain strong relationships with other disciplines within the firm and promote cross functional working
- Embrace organisational change and influence others to modify behaviour and attitudes as required
- Observe and maintain Company Health and Safety Policy across all activities
- Undertake other reasonable duties as requested

PERSON SPECIFICATION

KEY EXPERIENCE AND QUALIFICATIONS

- Chartered (or near Chartered) in a relevant discipline (ideally ICE)
- Civil engineering degree with a post graduate qualification in a geotechnically or engineering geology related subject from an accredited college or university. Ideally a Chartered engineer
- Demonstrable international and site experience, predominantly in large scale (c.£100m+) infrastructure projects, for a range of Clients in various construction market sectors
- Capable “hands on” geotechnical designer. Detailed 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
- Strong knowledge of geotechnical and engineering geological processes and design, with a particular emphasis on data interpretation, design & analysis, construction and advanced numerical modelling
- Ground investigation experience including design, preparation of tender documents, supervision, interpretation
- Geomorphologic, coastal and maritime experience would be beneficial
- Extensive knowledge of Eurocodes and other relevant national and international industry standards, contracts, methodologies and procedures
- Experience at Assignment Manager and Designer level with a proven record of managing and delivering assignments to programme and budget
- Understanding of the standard basic engineering work planning, scheduling and cost estimating
- Ability to build, maintain and develop relationships with key clients
- People management experience e.g. general employee welfare, carrying out appraisals, training and development, involvement in resourcing and recruitment activities

IT SKILLS

- Competent user of 2D and 3D finite element analysis software (e.g. PLAXIS, Z-soil)
- Proficient in other geotechnical software (Repute, Settle, WALLAP, LPile, GPile, DPile, Slide, 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

COMPETENCIES

- **Technical:** Strong skills and knowledge, undertakes tasks in a cogent manner involving the wider team as needed
- **Communication:** Strong interpersonal skills; ability to communicate, listen and influence all levels of people effectively. Excellent reporting / writing and strong presentation skills
- **Critical Thinking:** Ability to respond quickly to changing circumstances whilst maintaining a clear view of overall priorities. Ability to work under pressure to ensure deadlines are met, whilst maintaining a high quality of work
- **Team:** Excellent team working skills; able to lead, contribute to and collaborate with multi-disciplinary teams in a matrix environment
- **Leadership:** Demonstrates high standards, seeks to exceed client expectations and create a collaborative and

supportive environment. Mentoring skills to train and develop other engineers and technicians

- **Project Management:** Results orientated with a strong drive to deliver success, a proven ability to manage small – medium budgets, projects and programmes of work to agreed targets and priorities. Able to make timely, rational decisions with the information available and understands when to seek guidance and support
- **Languages:** proficient in foreign languages (particularly French and Spanish) is an asset

PERSONAL STYLE AND BEHAVIOUR

- Committed with a high degree of integrity
- Convincing in terms of a capacity to translate objectives into effective practical steps
- 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 personal and business performance
- Demonstrates willingness and flexibility of availability to meet business needs
- Able to perform effectively within changing environments; modifies own style to achieve results