

## 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 HS2, Padma Bridge and Al Zour Refinery.

<b>JOB TITLE</b>	Principal Geotechnical Engineer - Foundations
<b>LOCATION</b>	London
<b>TRAVEL</b>	A willingness to travel is essential
<b>MINIMUM REQUIREMENTS</b>	<ul style="list-style-type: none"> <li>▪ Degree Qualified and Chartered Civil Engineer</li> <li>▪ Substantial experience in major assignments for a range of Clients in various construction market sectors</li> <li>▪ Substantial experience of managing projects, budgets and resources</li> <li>▪ Experience in preparing technical and commercial proposals</li> </ul>
<b>JOB DESCRIPTION</b>	
<b>DUTIES AND RESPONSIBILITIES</b>	
<ul style="list-style-type: none"> <li>▪ Lead and undertake assignments in the UK and overseas ensuring the delivery of high quality outputs</li> <li>▪ Act as assignment manager overseeing technical delivery, commercial aspects, financial controls (forecasting &amp; budgeting), planning, resourcing and troubleshooting.</li> <li>▪ Assist Market Sector Leader to source and develop business opportunities, producing tenders, and build client relationships</li> <li>▪ Assist and support a high level of technical capability within the skill area as may be required to deliver the service offerings targeted</li> <li>▪ Assist with the organisation and management of the technical staff (appropriate to skill), acting as a line manager when required, mentoring fellow engineers, supporting staff recruitment, training, CPD and implementation of 'Best Practice' and procedures</li> <li>▪ Assist Graduates through the processes and requirements for completion of their Chartership</li> <li>▪ Assist in providing appropriate resources for the successful delivery of assignments in the UK and overseas, maximising fee income</li> <li>▪ 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</li> <li>▪ Implement and adhere to Company procedures in the management, delivery and administration of Services</li> <li>▪ Maintain strong relationships with other disciplines within the firm and promote cross functional working</li> <li>▪ Develop skills to be able to undertake forensic engineering and Expert Witness assignments</li> <li>▪ Embrace organisational change and influence others to modify behaviour and attitudes as required</li> <li>▪ Observe and maintain Company Health and Safety Policy across all activities</li> <li>▪ Undertake other reasonable duties as requested</li> </ul>	

## PERSON SPECIFICATION

### KEY EXPERIENCE AND QUALIFICATIONS

- Professionally qualified and Chartered Civil Engineer, ideally with a post graduate qualification in a geotechnically related subject (preferably foundation related)
- Extensive knowledge of Eurocodes and other relevant national and international industry standards, contracts, methodologies and procedures
- Substantial experience at Project Manager and Designer level with a proven capability and record of managing and delivering assignments to programme and budget
- Able to manage the legal and contractual aspects of Engineering contracts
- Strong knowledge of geotechnical and engineering geological processes and design, with a particular emphasis on data interpretation, design & analysis, construction and advanced numerical modelling
- Detailed geotechnical design experience of large diameter deep piled foundations (driven, bored and CFA) to Eurocode, API, AASHTO, LRFD NGI and ICP methods / standards, seismic / dynamic analysis of deep piled foundations and pile groups, 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
- Understanding of the standard basic engineering work planning, scheduling and cost estimating
- Experience predominantly in large scale (c.£100m+), high profile infrastructure projects, for a range of UK and international Clients in various construction market sectors
- Ability to build, maintain and develop relationships with key clients
- People management experience e.g. general employee welfare, carrying our appraisals, training and development, involvement in resourcing and recruitment activities

### COMPETENCIES

- **Technical:** Proven technical skills and knowledge, able to provide innovative solutions. Encourages the team to keep relevant on technical developments and the broader industry. Actively develops own professional persona in the industry
- **Communication:** Strong interpersonal skills; ability to communicate, listen and influence all levels of people effectively. Excellent reporting / writing and strong presentation skills. Able to judge audience and communicate technically complex matters to all stakeholders
- **Critical Thinking:** Ability to think and act operationally and strategically, understands the bigger picture and commerciality of a situation, both for the project and Company
- **Team:** Able to lead, contribute to and collaborate with multi-disciplinary teams in a matrix environment. Able to leverage the wider team and encourages a culture of cross skill/function collaboration
- **Leadership:** Acts as a role model and standard setter. Able to proactively coach, mentor and enable others to develop individual skills and broaden the capabilities and competencies within the company
- **Project Management:** Driven to deliver success with a proven ability to plan long term and manage large/complex budgets, projects and programmes of work to agreed targets. Able to communicate a clear direction and individual roles and understands the importance of learning from successes and failures
- **Business Acumen:** Able to articulate the business strategy and how individuals contribute to delivering it in a meaningful way. Seeks opportunities across the business, not just in their area of expertise.

#### **IT SKILLS**

- Expert / Proficient user of 2D and 3D finite element analysis software (e.g. PLAXIS, Z-soil)
- Proficient user of other geotechnical software (WALLAP, Repute, GROUP, LPile, APile, Rocscience Slide2, gINT, or equivalent)
- 2-D and 3-D computer aided design and computer aided engineering (CAD and CAE) tools

#### **PERSONAL STYLE AND BEHAVIOUR**

- Self-starter, 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 behavioural style to achieve results