

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	Principal Mechanical Engineer
LOCATION	London
TRAVEL	Willingness to travel is essential
MINIMUM REQUIREMENTS	<ul style="list-style-type: none"> • Accredited Degree in an appropriate Mechanical Engineering discipline • Chartered Engineer; member of appropriate professional body • Mechanical engineering systems experience on large, complex projects working with a range of clients in various construction market sectors.
JOB DESCRIPTION	
OVERVIEW	
<p>Rendel's mechanical and electrical engineering team provides support to infrastructure and non-infrastructure projects covering transport systems (roads, bridges and tunnels), airports, ports and maritime, rail systems, power generation and industrial processing.</p> <p>The position will involve taking the leading technical role as part of the consultancy delivery team, undertaking and checking the delivery of design solutions and associated outputs for the project and liaising with clients.</p>	
DUTIES AND RESPONSIBILITIES	
<ul style="list-style-type: none"> ▪ Undertake fee earning assignments in the UK and overseas ▪ Assist the Project Manager in clarifying the project brief, agreed deliverables, key milestones, project methodology, quality assurance and control strategy ▪ Undertake the lead technical role covering outline and detailed designs; e.g. calculations, drawings, sketches, reports etc, to achieve the optimum solution for the project ▪ Manage the E&M design change process and communicate design changes to the Project Manager ▪ Be aware of work requirement of the E&M design team and take responsibility to work to deliver this to agreed time, cost and quality requirements ▪ Undertake and/or manage significant elements of the detailed design and the checking of outputs as directed ▪ Review, check and comment on detailed designs prepared by consortium partners or third parties ▪ Provide technical guidance, support and training to colleagues and assist in mentoring and development of others 	

- Monitor staff time and budgets against assignment programme and agree appropriate actions where necessary
- Work in close collaboration with colleagues from other disciplines as required
- Ensure that all work is carried out in full compliance with the Company's Integrated Management Systems
- Observe and maintain Company Health and Safety Policy across all activities
- 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
- Adhere to Company procedures in the management, delivery and administration of Services
- Embrace organisational change and appropriately modify behaviour and attitudes as required
- Have an understanding and awareness of the company values and business plan and your contribution to both
- Undertake other reasonable duties as requested by your assignment or line manager

PERSON SPECIFICATION

KEY EXPERIENCE AND QUALIFICATIONS

- Degree in a relevant mechanical engineering discipline, ideally also holding a post-graduate qualification
- Chartered Engineer
- Extensive knowledge and experience of mechanical engineering systems of infrastructure and non-infrastructure works, together with an understanding of E&IC systems.
- Knowledge of infrastructure projects and an understanding of the integration of E&M systems in the overall construction project.
- Appropriate experience in design, tender and contract preparation, tender assessment, and contract administration.
- Good knowledge of relevant national and international E&M industry standards
- Awareness of forms of contract, construction methodologies and E&M engineering procedures
- Desire to work in a consultancy environment on large scale infrastructure projects
- Competent in the use of MS Office programmes and relevant bespoke software packages. Ability to develop competence in use of relevant programmes to suit specific role requirements

COMPETENCIES

- **Technical:** Strong skills and knowledge to deliver quick, innovative solutions. Undertakes tasks in a cogent manner involving the wider team as needed
- **Communication:** Strong interpersonal and leadership skills; ability to communicate, listen and influence all levels of people effectively. Excellent report writing ability 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 design process 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

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