

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 Electrical Engineer
LOCATION	London
TRAVEL	Willingness to travel is essential - up to three months per trip
MINIMUM REQUIREMENTS	<ul style="list-style-type: none"> ▪ Accredited First Class/2:1 Masters Degree in Electrical Engineering ▪ Graduate/Member of appropriate professional body ▪ Electrical engineering, instrumentation and control experience on large, complex projects working with a range of clients in various construction market sectors.

JOB DESCRIPTION

OVERVIEW

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.

The position will involve taking a leading technical role as part of the delivery team and include undertaking and checking the delivery of the design solution and associated outputs for the project.

DETAILED DUTIES AND RESPONSIBILITIES

- Work flexibly within the M&E department as a competent, confident, expert source for electrical design
- 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 for electrical engineering systems covering outline and detailed designs; e.g. calculations, drawings, sketches, reports etc, to achieve the optimum solution for the project
- Assess, document and communicate design changes to the Project Manager
- Be aware of work requirement and take personal responsibility to work to deliver this to agreed time, cost and quality requirements
- Undertake 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, where practicable, in mentoring and development of others
- 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

- First Class/2:1 Masters Degree in a relevant mechanical engineering discipline.
- Chartered Engineer or Incorporated Engineer, or have completed an accredited training scheme and be working toward attaining Chartered status with an appropriate professional body.
- Knowledge and experience of electrical engineering, instrumentation and control systems of infrastructure and non-infrastructure works, together with an understanding of relevant mechanical engineering systems.
- Knowledge of infrastructure projects and an understanding of the integration of E&M systems in the overall construction project.
- 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 Skills:** Good knowledge of best practice, current legislation and market awareness in specialist sector. Excellent problem solving and detailed 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 and strong presentation skills
- **IT Skills:** Good standard of IT with working knowledge of Office products and applicable specialist software
- **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 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

PERSONAL STYLE AND BEHAVIOUR

- Committed and enthusiastic with a high degree of integrity
- Demonstrates willingness and flexibility of availability to meet business needs; able to organise and prioritise workload to ensure that timescales are met

- Able to work on own initiative and seek assistance when required
- Able to perform effectively within changing environments; modifies own behavioural style to achieve results
- Able to work collaboratively with colleagues, clients and contractors to form strong positive working relationships
- Commitment to own personal development