

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	Structural Engineer
LOCATION	Sydney, Australia
TRAVEL	A willingness to travel is essential
MINIMUM REQUIREMENTS	<ul style="list-style-type: none"> ▪ Degree Qualified Engineer with experience in a design consultancy ▪ Structural engineering experience on major infrastructure projects for a range of clients, in various construction market sectors
JOB DESCRIPTION	
DUTIES AND RESPONSIBILITIES	
<ul style="list-style-type: none"> ▪ Undertake and lead assignments in Australia and oversea ▪ Undertake structural design and analysis using design software across a broad range of structural types and using various international standards ▪ Deliver engineering solutions and reporting results to managers and clients ▪ Assist in the management of the design process that may include other related design disciplines/teams ▪ Assist with coordinating design as part of an internal team and liaising with external associated professionals and our clients ▪ Support the development and maintenance of a high level of technical capability to deliver the service offerings targeted ▪ Monitor staff time and budgets against assignment programme and agree appropriate actions where necessary ▪ Adopt procedures for standardisation and peer review to ensure consistency and excellence in the service delivery of the Company's technical work product ▪ Implement and adhere to Company procedures and best practice in the management, delivery and administration of Services ▪ Uphold the Company Health & Safety and Environment Policies across all activities ▪ Undertake other reasonable duties as requested 	

PERSON SPECIFICATION

KEY EXPERIENCE AND QUALIFICATIONS

- A degree qualified Civil Engineer
- Experience of hands-on engineering design and analysis
- Working knowledge of structural processes and design, with a particular emphasis on data interpretation, design & analysis, construction and advanced numerical modelling
- Structural design experience including bridges, foundations, retaining structures, marine structures, jetties etc.
- Working knowledge of Australian Standards and other national and international industry standards, contracts, methodologies and procedures
- Experience of computer analysis of structures and design of structural elements in common materials i.e. steel, concrete, composite
- Experience should include large scale (c. \$200m+), high profile infrastructure projects
- Experience in the design and construction engineering of rail projects
- Project management experience on large infrastructure, industry and energy projects
- Fluent French speaker (essential)

COMPETENCIES

- **Technical:** Excellent problem solving and design skills with ability to deliver practical solutions
- **Communication:** Good interpersonal skills, ability to communicate effectively to all levels both internally and with external clients. Excellent reporting writing skills
- **Critical Thinking:** Ability to think and act operationally 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:** 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. Mentoring skills to train and develop other engineers and technicians and demonstrates high standards as an example for others
- **Business Acumen:** Results oriented with a proven ability to work to defined, agreed targets and priorities

IT SKILLS

- Knowledge and experience in structural analysis/finite element software such as:
 - LUSAS
 - Masterframe
 - RM Bridge
 - SAM (Autodesk Structural Bridge Design)
 - Midas
- Excellent Microsoft Office abilities (particularly Excel)
- Programming / scripting knowledge

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