



CERTIFIED | EXPERIENCED | ENGINEERING



POSITION DESCRIPTION

Position title:
Senior Electrical Engineer

Reports to:
Electrical & IC Engineering Team Lead

Employment type:
Full-time

Date:
September 2023

CIVIL ⚙️ STRUCTURAL ⚙️ MECHANICAL ⚙️ ELECTRICAL ⚙️ DESIGN + DRAFTING ⚙️ CONTROL SYSTEMS ⚙️ OPERATIONAL SUPPORT

waterlineprojects.com   

POSITION DESCRIPTION

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| POSITION TITLE: SENIOR ELECTRICAL ENGINEER | REPORTS TO: ELECTRICAL & IC ENGINEERING TEAM LEAD Or such other person/s as the company may nominate from time to time. |
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POSITION SUMMARY

Your role is essential to Waterline’s purpose of partnering with Australian industry to provide safe and sustainable resources to the world. You will use your technical engineering understanding and practical experience to make our Industry Partners more efficient, safe, and productive. You will work across the full asset lifecycle including studies, design, project execution, commissioning, operations, and decommissioning. Using your technical and practical knowledge, you will strive to ensure quality and purpose in all deliverables.

As ‘Operational Engineers of Choice’, we are required to, and our clients expect us to travel to their sites to support, interact and engage with their 24/7 operations including but not limited to audits, operational support, and commissioning. This means fitting in and accommodating our clients’ work patterns, Health and Safety requirements and operational needs.

| POSITION DETAILS | <i>Description of duties and responsibilities</i> |
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| ENGINEERING | <ul style="list-style-type: none"> • Identify when technical analysis methods and engineering software can be applied to solve our clients’ problems. • Develop, review, update and modify electrical designs including calculations, reports, and drawings • Ensure designs are compliant with Australian legislation, standards, client specifications, relevant international standards, and industry norms • Deliver engineering services to allocated budgets and timeframes, to help Waterline to deliver valuable commercial outcomes. • Project-related activities, including cost estimation, scope development, schedule development, and liaison with engineers and project managers to help manage clients during project delivery. • Involvement in small project-based teams of engineering professionals to ensure delivery of effective and commercially valuable structural engineering solutions, to deliver ‘Value Driven Projects’. • Effectively communicate your design decisions to Waterline internal stakeholders and clients • Assist in the development of inhouse engineering design aids/tools, standards, specifications, and design criteria. • Regular site visits to facilitate client’s requirements and support WL Engineering compliance, audits, delivery, |

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| | <p>and commissioning. (FIFO rosters and extended periods on site)</p> <ul style="list-style-type: none"> • Provide advice and support across the business relevant to your professional area. |
| BUSINESS DEVELOPMENT | <ul style="list-style-type: none"> • Be a champion of the Waterline Purpose, Values and Brand • Attending Client meetings and taking briefs to develop project scopes that meet client needs • Maintaining relationships with existing Clients by delivering excellent service. • Meet with clients to determine project scope requirements and track project progress, to be able to realise true project benefits. • Maintain existing client relationships and maintain contact. • Regular site visits to projects as required to build relationships and deliver excellent service. |
| REPORTING | <ul style="list-style-type: none"> • Accurate and daily individual tracking of time, billables, goals and prioritisation using company provided tools • Participation in continuous improvement initiatives • Project closeout and post implementation review reports • Provide regular updates to Team Lead |

As well as any other tasks or duties for which you may have the skill, knowledge and/or training that is required of you, from time to time.

QUALIFICATION/S AND EXPERIENCE

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| <p>ESSENTIAL QUALIFICATION/S</p> <ul style="list-style-type: none"> • BACHELOR OF ENGINEERING (ELECTRICAL) | <p>Essential Experience</p> <ul style="list-style-type: none"> • 5+ years of relevant experience in Electrical Engineering • 2+ years' experience of Australian Industry including working onsite (Including Mining, Energy, Chemicals, Oil & Gas) • Strong experience in at least one of the following areas: <ul style="list-style-type: none"> ○ Design and compliance assessment using Power Tools for Windows (PTW) electrical modelling software ○ Design of earthing and lightning systems ○ Hazardous area design or auditing ○ Compliance assessments for electrical equipment and systems to Australian Standards and Regulations ○ Design of industrial control infrastructure and communication systems • Demonstrated project engineering or project management skills |
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| | <ul style="list-style-type: none"> • Technical ability to manage and coordinate multiple stakeholders <p>Desirable Experience</p> <ul style="list-style-type: none"> • Knowledge of, or experience with the following areas is advantageous: <ul style="list-style-type: none"> ○ SafeGrid ○ PTW ○ 6+ months working onsite ○ Design and compliance assessment using PowerTools for Windows (PTW) electrical modelling software ○ Design of earthing and lightning systems ○ Hazardous Area design or auditing (particularly in coal mining) ○ Compliance assessments for electrical equipment and systems to Australian Standards and Regulations |
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ESSENTIAL COMPETENCIES (SKILLS & ATTRIBUTES)

- Demonstrated project engineering or project management skills including strong self-discipline and time management skills
- Key stakeholder management utilising effective communication skills
- Ability to deliver results under pressure
- Willingness to learn about our clients’ businesses and markets so you:
 - Understand our clients core business outcomes.
 - Understand how to present Waterline Projects to our clients in a relevant context.
- Flexible attitude to rapid changing project requirements
- Pragmatic approach to client problems
- Demonstrate effective organisation, planning and attention to detail
- Excellent report writing and presentation skills
- Effective problem-solving capabilities
- Ability to interpret Standards, Legislation, Acts and Codes
- Ability to work both collaboratively and independently
- Appropriate handling of confidential information
- Good financial acumen
- Demonstrated skills in coaching and mentoring

ESSENTIAL BEHAVIOURS

Your behaviour must be consistent with Waterline’s values.

- Driven – Approach with enthusiasm
 - Strive to deliver quality results with enthusiasm
 - Honour your commitments
- Authentic – What you see is what you get
 - Be true to yourself and each other
- Empathetic – Put yourself in their boots

- Appreciate the realities of being on site
- Care about our clients, colleagues, and communities we live and work in
- Supportive – Got your back
 - Share the load for our collective success.
 - Act as an extension to each other’s teams.
 - Support each other in our work and personal lives.

KEY RELATIONSHIP WITH

| INTERNAL: | EXTERNAL: |
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| <ul style="list-style-type: none"> ● Electrical & IC team <ul style="list-style-type: none"> ○ Team Lead ○ Peers ○ Designers ● Operational support <ul style="list-style-type: none"> ○ Job managers ● Other discipline teams <ul style="list-style-type: none"> ○ Colleagues on multi-discipline projects ● Business Support <ul style="list-style-type: none"> ○ IT ○ Marketing and communications ● Strategic Growth <ul style="list-style-type: none"> ○ Strategic growth team members | <ul style="list-style-type: none"> ● Clients ● |