



CERTIFIED | EXPERIENCED | ENGINEERING



POSITION DESCRIPTION

Position title:

Electrical Engineer

Reports to:

Electrical & IC Engineering Team Lead

Employment type:

Full-time

Date:

November 2022

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

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POSITION DESCRIPTION

POSITION TITLE: ELECTRICAL ENGINEER	REPORTS TO: ELECTRICAL & IC ENGINEERING TEAM LEAD Or such other person/s as the company may nominate from time to time.
POSITION SUMMARY <p>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.</p> <p>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 personnel to deliver on their requirements. This may include but is not limited to complete audits, provide operational support, and commissioning support. This means fitting in and accommodating our clients’ work patterns, Health and Safety requirements and operational needs for their 24/7 operations.</p>	
POSITION DETAILS	<i>Description of duties and responsibilities</i>
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 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 Waterline Engineering compliance, audits, delivery, and commissioning



BUSINESS DEVELOPMENT	<ul style="list-style-type: none"> • Be a champion of the Waterline Purpose, Values and Brand • Attend client meetings and take briefs to develop project scopes that meet client needs • Maintain 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

ESSENTIAL QUALIFICATION/S <ul style="list-style-type: none"> • BACHELOR OF ENGINEERING (ELECTRICAL) 	<p>Essential Experience</p> <ul style="list-style-type: none"> • 3+ years of relevant experience in Electrical Engineering • Knowledge of, or experience with, at least one of the following: <ul style="list-style-type: none"> ○ Design and compliance assessment using PTW or PowerCAD 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 communications systems • Demonstrated project engineering or project management skills • Technical ability to manage and coordinate multiple stakeholders <p>Desirable Experience</p> <ul style="list-style-type: none"> • Exposure to Australian Industry (Including Mining, Energy, Chemicals, Oil & Gas) • Knowledge of or experience within the following areas: <ul style="list-style-type: none"> ○ 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)
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	<ul style="list-style-type: none"> ○ 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 to our clients in a relevant context
- 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

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

<p>INTERNAL:</p> <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 	<p>EXTERNAL:</p> <ul style="list-style-type: none"> ● Clients ● Strategic Partners
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<ul style="list-style-type: none">● Business Support<ul style="list-style-type: none">○ IT○ Marketing and communications● Strategic Growth<ul style="list-style-type: none">○ Strategic growth team members	
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