

SSE Job Description /

SENIOR ELECTRICAL ENGINEER.

ELECTRICAL

Job title: **Senior Electrical Engineer – Building Services**

Location: **Adelaide**

Department: **Electrical Division**

Reports to: **Electrical Division Manager**

Applications to: mail@syssole.com.au

Job Overview

This leadership role requires a seasoned professional with a passion for designing and delivering high-quality electrical systems, mentoring junior engineers, and driving innovation within complex building projects.

The Senior Electrical Engineer is experienced and motivated team member who has extensive experience in electrical infrastructure including mains power, generators, battery systems, solar power, general power distribution, lighting design, communications, security systems, and nurse-call solutions.

They have a passion for delivering high quality outcomes for our clients whilst also supporting the Electrical Division Manager with the ongoing development needs of junior team members.



Key Responsibilities

Technical Leadership and Design

- Lead the design and development of electrical systems for small to medium / large-scale building services projects.
- Oversee and provide expertise on mains power infrastructure, standby and emergency power systems (generators and batteries), renewable energy integration (solar), general power, and lighting systems.
- Design and implement communication, security, and nurse call systems, ensuring they meet regulatory standards and project specifications.
- Is the right hand to the Electrical Division Manager, working collaboratively to continuously improve the inner workings of the team.
- Leads the team in the absence of the Electrical Division Manager.

Project Management

- Lead multidisciplinary project teams, coordinating with discipline engineers, architects, and contractors.
- Manage project timelines, budgets, and resource allocation to ensure successful delivery.
- Conduct technical reviews and approvals of engineering deliverables.

Mentorship and Team Development

- Act as a mentor and role model for junior and mid-level engineers.
- Foster a culture of learning, collaboration, and technical excellence within the team.
- Provide coaching, training, and performance feedback to nurture professional growth.

Innovation and Best Practices

- Stay abreast of the latest trends, technologies, and regulations in electrical engineering and building services.
- Promote the integration of sustainable and energy-efficient solutions in design practices.
- Develop and implement best practices to enhance design quality and efficiency.

Compliance and Risk Management

- Ensure designs comply with local codes, standards, and industry regulations.
- Identify and mitigate potential risks related to electrical systems in projects.

Required Skills and Qualifications

Education

- Bachelor's or Master's degree in Electrical Engineering or a related field.
- Professional Engineer (PE) or Chartered Engineer (CEng) certification preferred.

Experience

- 10+ years of experience in electrical engineering for building services, with a focus on leadership roles.
- Proven expertise in mains infrastructure, power generation, battery systems, solar power, lighting, communications, security, and nurse call systems.

Technical Competence

- Proficiency in electrical design tools and software.
- Strong understanding of local electrical codes, safety standards, and sustainable design principles.

Leadership and Mentorship

- Demonstrated ability to lead, mentor, and develop engineering teams.
- Excellent interpersonal and communication skills with a collaborative approach.

Project Management

- Experience managing projects with complex requirements.
- Strong organizational and time-management skills.

Key Competencies

- **Innovative thinking and problem-solving**
- **Strong analytical and critical-thinking skills**
- **Commitment to continuous improvement**
- **Client-focused mindset with a dedication to quality**

Key behaviours

Teamwork

- "Win and lose as a team" mentality
- Nurtures collaboration with other disciplines within the organisation
- Nurtures collaboration with clients and partners

Strategic Alignment

- Ensures values alignment
- Ensures alignment to corporate and subsidiary strategies
- Ensures alignment across industry lines (product owners)
- Thinks strategically – holistically, long-term and results-oriented

Leadership

- Proactive about anticipating industry change
- Proactive about anticipating the needs of their business unit
- Has a winning mentality

Innovation & Continuous Improvement

- Drives innovation and continuous improvement within agreed plan
- Thrives on developing new and innovative ways to solve complex business problems for our clients

Workforce Planning

- Is supportive of consultant career pathways

Decision Making

- Prioritises data-driven decision-making
- Able to maintain dual focus on both the future and the present

What We Offer

- **A collaborative and innovative work environment**
- **Opportunities for professional growth and development**

