

Assistant Electrical Engineer (Intern)

Newpower Pte Ltd

Company	Newpower Pte Ltd
Location	Pioneer, West Region
Type	Internship
Eligibility	Undergraduates pursuing a degree in Electrical Engineering or a related discipline

About the Role

We are looking for a motivated Assistant Electrical Engineer (Intern) to join our engineering team.

This internship provides an opportunity to apply your electrical engineering knowledge in a practical environment while gaining hands-on experience with diesel generators, electrical switchboards, power distribution systems and engineering design.

You will work alongside experienced engineers and have exposure to both office-based engineering activities and project sites.

Why Join Newpower?

- **Backed by an award-winning group:** NewPower Pte Ltd is a related company of Choon Huat Engineering Pte Ltd, winner of the Enterprise 50 (E50) Award 2024 and a trusted name in Singapore's construction and power equipment industry for over 40 years. This role benefits from the strength, stability, and industry relationships of an established group while working within a specialized, focused team.
- **Years of proven reliability:** NewPower has delivered dependable standby power systems for mission-critical facilities, commercial buildings, and large-scale industrial operations across Singapore.
- **Backed by global engine leaders:** Through strong partnerships with Cummins, Volvo Penta, and Perkins, this role will be exposed to generators engineered to international standards of durability, efficiency, and regulatory compliance.
- **End-to-end exposure:** NewPower's expertise spans design, supply, installation, testing, and maintenance — providing a genuine, full-cycle view of standby power projects rather than a single narrow function.
- **A culture of assurance and service excellence:** Beyond equipment, NewPower prides itself on expert consultation, seamless integration, and strong technical support.
- **Potential for full-time conversion:** Outstanding interns will have the opportunity to be offered a full-time role with NewPower upon graduation, allowing you to build directly on the relationships and experience gained during your internship..

Roles and Responsibilities

- Assist in drawing or modifying electrical and General Arrangement (GA) diagrams, and writing engineering specifications to clarify design details and functional criteria of equipment in line with customers' requirements
- Assist in conducting inspection and quality checks of diesel generators and electrical switchboards
- Assist in conducting installation and troubleshooting of diesel generators and electrical switchboards
- Assist in setting up and operating test equipment for calibration or configuration of diesel generators and electrical switchboards
- Support quality management initiatives through good documentation practices and continuous process improvement
- Support operational planning to ensure a continuous and reliable supply of equipment for customers and internal requirements
- Support sales personnel by providing technical clarifications to customers
- Participate in pre-sales activities related to machinery sales, such as generator sizing and the study of tender documents
- Gain an end-to-end view of projects, including the installation of standby generators for buildings/factories and the rental of prime generators for shutdown projects and events

Requirements

- Minimum: currently pursuing a degree in Electrical Engineering or a related field
- Ability to read and amend schematic and circuit drawings
- Prior experience or knowledge of generators is a plus
- Excellent interpersonal and communication skills
- Willingness to make occasional site visits to construction sites or client offices
- An inquisitive mind, with the ability to work independently

Learning Outcomes and Objectives

By the end of this internship, trainees can expect to:

- Understand how power generators function, and gain insight into actual end-to-end solutions delivered to customers
- Gain hands-on experience with electrical equipment, and learn to apply technical knowledge in the workplace with a strong emphasis on safety
- Develop the ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- Build the ability to apply engineering design to produce solutions that meet specified needs, taking into account public health, safety, welfare, and global, cultural, social, environmental, and economic factors
- Learn to function effectively within a team — contributing to leadership, fostering a collaborative and inclusive environment, and helping to establish goals, plan tasks, and meet objectives
- Develop the ability to design and conduct appropriate experiments, analyze and interpret data, and apply sound engineering judgment to draw conclusions