



Choon Huat Engineering Pte Ltd
春發機械（私人）有限公司
6 Joo Koon Crescent, Singapore 629010
Tel: (65) 6862 2222 Fax: (65) 6862 0232
Website: www.choonhuat.com.sg
Unique Entity Number (UEN): 198306049R
GST Reg. No.: M2-0066452-3

Assistant Electrical Engineer (Intern)

Choon Huat Engineering Pte Ltd

Company	Choon Huat Engineering Pte Ltd
Location	Joo Koon, West Region
Type	Internship
Eligibility	Undergraduates pursuing a degree in Electrical Engineering or a related discipline

About the Role

Choon Huat Engineering Pte Ltd is looking for a motivated Electrical Engineering intern to join our team and gain hands-on exposure to the design, testing, installation, and after-sales support of diesel generators and electrical switchboards. This internship offers a genuine end-to-end view of engineering and commercial projects — from technical design and quality inspection through to on-site installation and customer support — giving interns real-world experience that complements their academic training.

Why Join Choon Huat Engineering?

- **Award-winning company:** Winner of the Enterprise 50 (E50) Award 2024, one of Singapore's most prestigious accolades recognizing outstanding local enterprises for business excellence, innovation, and growth.
- **40+ years of industry track record:** Established in 1983, Choon Huat has grown into a trusted name supporting major construction, infrastructure, marine, oil & gas, and offshore projects across Singapore.
- **At the forefront of green technology:** Choon Huat is driving Singapore's sustainability agenda through its Battery Energy Storage Systems (BESS) — technology that can cut fuel consumption on construction sites by up to 80% — placing interns at the cutting edge of the industry's shift toward net-zero solutions.
- **Real ownership, real impact:** Unlike large organizations where interns are often confined to narrow tasks, interns here get exposure across the full project lifecycle — from technical design and pre-sales support to on-site installation — working directly alongside experienced engineers and management.
- **A growing, forward-looking SME:** With ongoing investment in digital transformation, ERP systems, and process innovation, Choon Huat offers the agility and mentorship of a close-knit team alongside the ambition of a company scaling toward regional and international markets.
- **Potential for full-time conversion:** Outstanding interns will have the opportunity to be offered a full-time role with Choon Huat upon graduation, allowing you to build directly on the relationships and experience gained during your internship.





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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

