



PR/159915 | Senior Design Engineer (Electrical Power Secondary Design)

Job Information

Recruiter

[JAC Recruitment Malaysia](#)

Job ID

1568968

Industry

Industrial Facilities

Job Type

Permanent Full-time

Location

Malaysia

Salary

Negotiable, based on experience

Refreshed

January 13th, 2026 11:01

General Requirements

Minimum Experience Level

Over 6 years

Career Level

Mid Career

Minimum English Level

Business Level

Minimum Japanese Level

None

Minimum Education Level

Associate Degree/Diploma

Visa Status

No permission to work in Japan required

Job Description

About the Role: -

Our client is a well-established multinational company in the power transmission & distribution engineering sector is looking for a **Senior Design Engineer** with strong experience in secondary design, protection, and control systems. This role is ideal for candidates with a solid electrical power engineering background and experience supporting utility, industrial, and international substation projects.

Responsibilities: -

You will be responsible for delivering high-quality secondary design work and supporting engineering teams across multiple projects. Key duties include:

- Execute schematic and wiring design for utility, private, and overseas electrical projects.
- Perform design coordination with internal and external stakeholders.
- Ensure design proposals comply with project scope, cost considerations, and technical specifications.
- Prepare and support design documentation for manufacturing, including:
 1. Component database updates
 2. Wiring diagrams
 3. Punching guides
 4. Instrument compartment layout
- Coordinate with suppliers on design interface requirements and technical applications.
- Study and propose improvements for design cost-effectiveness.
- Conduct design test simulations for new design schemes.
- Support troubleshooting activities during project execution.
- Evaluate first-batch implementation of new designs when required.
- Ensure compliance with quality, safety, and environmental standards and reporting procedures.
- Report any accident, near-miss, or unsafe condition to management and recommend improvements.
- Use all required personal protective equipment provided.

Job Requirements: -

- Degree in Electrical (Power) Engineering or equivalent
- Minimum 5 years of experience in secondary design for power systems
- Strong technical knowledge in medium-voltage protection, control, and secondary design
- Good problem-solving ability and attention to technical detail
- Ability to work independently and coordinate effectively with multiple project teams.
- Strong communication skill, problem solving and stakeholder management skills
- Experience working with TNB/ utility requirements is a strong advantage

#LI-JACMY

#Countrymalaysia

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Company Description