



# Design Engineer – Electrical/Solar

 **Location:** Fiji

## About Pacific Engineering Projects Ltd

At Pacific Engineering Projects Ltd, we pride ourselves on delivering exceptional engineering solutions across a variety of sectors. Our commitment to quality, innovation, and sustainability sets us apart in the industry. We offer a dynamic and inclusive work environment where our team members can thrive, grow, and make a tangible impact on large-scale projects. Join us to be part of a company that values expertise, fosters professional development. We are seeking an experienced and highly skilled Executive Assistant to provide administrative and secretarial support to our management team.

## The Role:

We are currently seeking a Design Engineer - Electrical/Solar to join our dynamic team. This role offers the opportunity to work on cutting-edge solar PV, energy storage (BESS), and electrical design projects across the Pacific, including projects in remote and diverse locations.

## Key Responsibilities:

- **Electrical and Solar Design:** Develop and design electrical and solar PV systems, including grid-tied, off-grid, and hybrid systems with energy storage (BESS) for various projects.
- **Technical Analysis:** Perform detailed technical analysis and calculations to determine optimal system configurations, electrical schematics, single-line diagrams, and layouts.
- **Engineering Documentation:** Create comprehensive engineering documents such as design reports, specifications, BOQs, and drawings in accordance with project requirements and industry standards.
- **Project Collaboration:** Collaborate with project managers, construction teams, and external consultants to ensure that designs meet project objectives and comply with safety standards.
- **Compliance and Standards:** Ensure that all designs are in compliance with relevant local and international standards, including IEC, AS/NZS, and relevant electrical codes.
- **Sustainability Focus:** Integrate energy-efficient and sustainable solutions into designs to align with the company's commitment to reducing environmental impact.
- **Site Assessments:** Conduct site visits and assessments to evaluate project feasibility, collect data, and support the development of project proposals.
- **Innovation:** Stay up-to-date with the latest solar and energy storage technologies and propose innovative solutions for improving system performance and efficiency.
- **Client Liaison:** Work closely with clients to understand their needs, provide technical expertise, and present design concepts and solutions.

## We are looking for someone with:

- Bachelor's degree in Electrical Engineering or a related field (Renewable Energy focus is a plus).
- A minimum of 10 years of experience in the energy or engineering sector.
- Proficient in design software such as AutoCAD, PVsyst, and MS Project. Familiarity with solar PV monitoring and control systems (SCADA).
- Strong knowledge of industry standards (IEC, AS/NZS, IEEE) and electrical codes.
- Strong analytical and problem-solving skills, with the ability to troubleshoot complex design challenges.
- Excellent written and verbal communication skills, with the ability to convey technical concepts to non-technical stakeholders.
- Relevant certifications in electrical design or renewable energy are advantageous (e.g., CPEng, MIEANZ, or equivalent).
- Ability to work independently as well as part of a cross-functional team.
- Experience working in remote or island-based locations is a plus.
- Passion for renewable energy and sustainable development

## Contact Details

If you are ready to take your career to the next level and be part of a dedicated team, we want to hear from you. Please send your resume and cover letter to [ngangisetty@pacificprojects.co.nz](mailto:ngangisetty@pacificprojects.co.nz).

Applications close 15<sup>th</sup> November 2024.

For more information about our company, visit our website at [www.pacificprojects.co.nz](http://www.pacificprojects.co.nz)

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