



Electrical Applications Engineer

Infinity Cube Pte Ltd

Company	Infinity Cube Pte Ltd
Location	Pioneer, West Region
Type	Full-Time
Eligibility	Undergraduates pursuing a degree in Electrical Engineering or a related discipline

About the Role

This is not a traditional site engineer role.

As an Electrical Applications Engineer, you will play a key role throughout the entire project lifecycle—from supporting technical proposals and customer discussions, to commissioning systems, improving product quality, and working with our manufacturing partner on continuous product development.

You will work closely with customers, distributors, suppliers and our engineering teams to ensure Infinity Cube continues delivering reliable, high-quality energy storage solutions worldwide.

This role is ideal for someone who enjoys solving technical problems, working directly with customers, and wants to grow into a future technical leadership position.

Why Join Infinity Cube?

- **Backed by an award-winning group:** Infinity Cube 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, innovation-driven team.
- **A growing international presence:** Be part of one of Singapore's fastest-growing Battery Energy Storage System companies. Infinity Cube is an international provider of BESS and hybrid power solutions for construction, infrastructure, and industrial applications, working to revolutionize these sectors with sustainable power that reduces reliance on fossil fuels and lowers carbon emissions. Headquartered in Singapore, the company has expanded into Australia, the United Kingdom, and Europe, and this role offers the opportunity to work on international projects across all these markets.
- **Hands-on with cutting-edge technology:** This role will work directly on the Infinity Cube, the company's flagship product, gaining exposure to cutting-edge energy storage, hybrid power, and microgrid technologies that integrate seamlessly with existing diesel generators and renewable energy sources — ensuring a reliable, efficient energy supply even in remote locations.

- **Real-world sustainability impact:** Infinity Cube specializes in hybrid power systems that optimize energy usage, improve operational efficiency, and minimize environmental impact — putting this role at the center of solutions that support the global transition toward greener energy practices.
- **Room to grow, with real influence:** This role offers the opportunity to work directly with senior management and play a key part in shaping the company's future. Join a growing organisation where your ideas and contributions will have a direct impact on product development and customer success.

Roles and Responsibilities

Technical Sales Support

- Support the sales team with technical proposals and system configurations.
- Review customer requirements and recommend suitable BESS solutions.
- Prepare technical calculations, single-line diagrams and supporting documentation.
- Participate in customer meetings to provide technical advice and presentations.

Project Engineering & Site Support

- Commission Battery Energy Storage Systems (BESS).
- Conduct Factory Acceptance Tests (FAT) and Site Acceptance Tests (SAT).
- Support system installation and commissioning.
- Perform troubleshooting and root cause analysis.
- Conduct customer training during project handover.

Product Quality & Continuous Improvement

- Conduct product quality inspections.
- Investigate warranty and field issues.
- Prepare technical reports and corrective action recommendations.
- Work closely to improve product quality, reliability and serviceability.
- Track recurring issues and drive continuous improvement initiatives.

Product Development

- Gather customer feedback from local and international markets.
- Support testing of new features and software updates.
- Participate in new product development discussions.
- Review product documentation and engineering drawings.

Technical Support

Provide technical support for customers and distributors in:

- Singapore
- Australia
- United Kingdom
- Europe
- Other international markets as required

Support may include remote troubleshooting, on-site visits and customer training.



Documentation

Prepare and maintain:

- Technical manuals
- Installation guides
- Commissioning procedures
- Standard Operating Procedures (SOPs)
- Service reports
- Technical bulletins

Requirements

- Degree in Electrical Engineering, Power Engineering, Mechatronics or a related discipline.
- 3–8 years of relevant working experience.
- Fresh graduates with exceptional aptitude and internships in relevant industries may also be considered.
- Preferred experience in one or more of the following industries:
 - Battery Energy Storage Systems (BESS)
 - Generator systems
 - Power generation
 - Electrical distribution
 - Switchboards
 - UPS systems
 - Solar energy
 - Renewable energy
 - Industrial automation
 - Marine electrical systems
 - Data centre power infrastructure

Technical Skills

- Three-phase electrical systems.
- Electrical drawings and schematics.
- Electrical troubleshooting.
- Commissioning of industrial electrical systems.
- Good understanding of electrical protection and power distribution.
- Microsoft Office.
- PLC or industrial control systems.
- Modbus / CAN communication.
- Battery systems.
- Generator synchronisation.
- Solar PV integration.
- EMS / SCADA systems.



Personal Attributes

We are looking for someone who:

- Enjoys solving complex technical problems.
- Has strong analytical and troubleshooting skills.
- Communicates confidently with customers and colleagues.
- Is proactive and willing to take ownership.
- Is organised and detail-oriented.
- Works well independently and within a team.
- Is willing to travel internationally when required.
- Has a strong desire to continuously learn and improve.

What Success Looks Like

Within your first 12 months, you will:

- Successfully support multiple customer projects from proposal through commissioning.
- Become a trusted technical resource for customers and distributors.
- Improve product quality through structured feedback and continuous improvement.
- Strengthen technical documentation and engineering processes.
- Build strong working relationships with our manufacturing partner and international customers.

