

WE ARE HIRING

ALTITUDE GROUP

Electrical Controls Engineer (Panel Wiring & Industrial Boards) (Nadi Based)

Position Summary: The Electrical Controls Engineer is responsible for the design, assembly, wiring, testing, and maintenance of industrial electrical control panels, distribution boards (DBs), motor control centres (MCCs), and mechanical services switch boards (MSSBs). This role requires expertise in interpreting technical drawings, fabricating and wiring panels, ensuring compliance with safety codes, and delivering reliable, clean, and professional installations for industrial and commercial projects.

Key Responsibilities:

- Panel Assembly & Fabrication
- Mount and install electrical components including contactors, overload relays, PLCs, VFDs, transformers, circuit breakers, busbars, and protective devices into DBs, MCCs, MSSBs, and custom enclosures.
- Fabricate and prepare panels using hand tools, meters, punches, and power tools.
- Wiring & Termination
- Perform point-to-point wiring, crimping, and routing of cables according to schematics and wiring diagrams.
- Ensure proper wire marking, cable routing, and termination for uncluttered, professional installations.
- Schematic Interpretation
- Read and interpret electrical schematics, circuit blueprints, and layout drawings.
- Translate technical drawings into accurate panel builds and installations.
- Testing & Quality Assurance
- Conduct continuity checks, insulation resistance tests, and functional verification of DBs, MCCs, MSSBs, and control panels.
- Perform equipment start-up, commissioning, and operational validation.
- Troubleshooting & Maintenance
- Diagnose and repair wiring issues, faulty components, or malfunctioning equipment.
- Maintain, repair, and upgrade industrial control systems for field service and engineering projects.
- Documentation & Compliance
- Label components and wiring for traceability.
- Maintain clean workspaces and adhere to safety protocols (PPE, lockout/tagout).
- Ensure compliance with electrical codes, standards, and best practices.
- Procurement & Coordination
- Order electrical parts, supplies, and consumables.
- Collaborate with engineers, project managers, and field technicians to meet project timelines.

Requirements:

- Education: High school diploma required; Diploma/ITI in Electrical Engineering or related technical field preferred.
- Experience: 2-5+ years in panel wiring, industrial electrical assembly, or switchboard construction (DBs, MCCs, MSSBs).
- Technical Knowledge:
 - Proficiency in reading and interpreting electrical schematics and blueprints.
 - Strong understanding of low/medium voltage systems, industrial controls, and switchboard design.
 - Familiarity with industrial devices such as photo-electric sensors, proximity switches, solenoid valves, frequency drives, servo drives, and PLC I/O.
- Tools & Software: Skilled with crimpers, wire strippers, drills, multi-meters; CAD software experience preferred.

Abilities:

- Strong attention to detail and organizational skills.
- Effective troubleshooting and problem-solving capabilities.
- Ability to lift and handle heavy components and panels.

Physical Requirements

- Frequent standing, bending, and lifting of panels or equipment.
- Manual dexterity for precise wiring and assembly tasks.

Send us your application with an updated CV and work portfolio addressed to:

recruitment@altituderefrigeration.com.fj