

Altitude Group consists of three major sub-companies that provide HVAC, refrigeration, and commercial kitchen equipment solutions. With its head office in Nadi, the group also operates branches and workshops in Suva and Australia, serving clients across the South Pacific. We take pride in hiring skilled local professionals and are committed to providing equal opportunities to all individuals, fostering a workplace built on respect, diversity, and growth.

# Technician HVAC & Refrigeration

## Nadi Based

### Role Duties and Responsibilities

- Install new cold and freezer rooms sandwich panels, industrial ice plant, refrigerated display cases, blast freezers in commercial, or industrial buildings. Refrigeration equipment including, installation of copper piping, copper fittings, insulation, brackets, clamps refrigeration condensing units/compressors, receivers, condensers, evaporators.
- Conduct regular, routine preventive maintenance inspections of refrigeration units to ensure they operate efficiently, including condensing units, evaporators, and make necessary adjustments or repairs.
- Inspect and troubleshoot problems, conduct repairs, upgrade, and maintain existing refrigeration plant by installing replacement parts on existing refrigeration systems.
- Repair or replace defective parts in refrigeration units and equipment including their controls, thermostats, automatic pressure switches, fan speed controls, pressure controls, safety valves, compressors, fan motors, driers, sight glasses, solenoid valves, expansion valves, defrost heaters.
- Operate a variety of hand and power tools, welding torch, vacuum pump, test equipment utilized in the trade; maintain equipment in effective and safe working condition; maintain parts and tool inventory.
- Perform skilled electrical maintenance work in the repair, installation and alteration of refrigeration equipment, components, timers, motors and wiring systems as needed; connect motors to control panels Installs electrical cables for control systems, controllers for refrigeration system.
- Test and examine glycol systems, observing meter and pressure gauges; conduct water/glycol quality test and treatment.
- Lubricate and pack ventilation, refrigeration, and air-conditioning motors, pumps, fans, and other equipment.
- Install and calibrate systems; install copper tubing and repair pipes and tubing as necessary; test joints and insulate pipes of refrigeration systems; clean condensers; clean evaporators.
- Install replace or repair fans, motors, thermostats, fuses, filters, bearings, valves, controls, gaskets, and other equipment as necessary.

### Admin Responsibilities

- Time Sheets: Accurate time keeping and allocation of time to various jobs and projects.
- Logbooks: Maintain logbooks on various sites of work and tasks performed.
- Job Cards: Prepare accurate reports of work performed, time spent on site, materials used & recommendations
- Drawings: Accurate taking of measurements on site and preparing sketches or drawings for engineering.
- Maintains inventory of replacement parts and orders replacements
- Perform other duties as assigned.

### Required Skills/Abilities:

- Excellent problem-solving and analytical skills of electrical and mechanical components.
- Extensive knowledge of commercial refrigeration systems and equipment.
- Ability to use power tools and hand tools.
- Ability to use thermometers, pressure gauges, electrical testing equipment and other testing devices required to evaluate refrigeration system.
- Ability to read operation manuals, repair manuals, wiring diagrams, system schematic diagrams, exploded view drawings, layout drawings for commercial refrigeration systems.
- Ability to follow instructions from supervisors and work in team environment.
- Excellent communication skills, as required both orally and in writing to interact with team members and customers.
- Understand and follow oral and written directions.
- Work cooperatively with others.
- Work independently with little direction when required.
- Meet schedules and deadlines.
- Regular attendance at work- Punctuality

### Qualification:

A verified technical college or university certificate or diploma qualification in commercial Refrigeration (or commercial air conditioning) trade is required with curriculum of training and academic Transcript of course results.

**Physical Requirements:**

- Physically able to work on commercial refrigeration systems and units.
- Work is performed while standing and/or kneeling, sitting, walking, bending, squatting, crawling, climbing, reaching and the use of hands for simple grasping and fine manipulations and climbing ladders and scaffolding.
- Requires the ability to communicate effectively in English using speech, vision, and hearing.
- Requires the ability to lift, carry, push, or pull medium weights, up to 75 pounds.
- Requires activities involving being around moving machinery, exposure to marked changes in temperature and humidity, and exposure to dust, fumes, and gases.

**Experience and Knowledge of:**

- A proven track record and experience in installing, testing, commissioning, service, repair and maintenance of cold rooms, freezer rooms, foodservice cabinets supermarket refrigeration systems, bottle coolers, display fridges and freezers, ice machines, ice cream machines.
- Standard practices of the commercial refrigeration and catering equipment and electrical/electronic trades.
- Theory of commercial refrigeration and MVAC systems.
- Materials, methods, and tools used in the operation and repair of commercial refrigeration systems.
- Applicable building codes, ordinances and regulations of State and local authorities pertaining to commercial refrigeration systems.
- Manual and electrical tools and equipment applicable to the refrigeration trade.
- Welding, brazing and soldering techniques.
- Health and safety regulations. Complies with company and industry safety standards.
- Basic record-keeping techniques.
- Proper methods of storing equipment, materials, and supplies
- Brands such as Alco, Copeland, Bitzer, Bock, Tecumseh, Embraco, Danfoss, Emerson, Dixell, Eliwell, Sporlan, Parker, Ranco, Danfoss Secop, Dorin, Embraco Aspera, Maneurop etc
- Refrigerants including R134a, R404A, R448, R449, R407C, R407F, R290, R600A (Typical refrigerants).

**Tools of the Trade:**

The successful candidates should be familiar in using tools but not limited to; plyers, side cutters, wire strippers, spanners, hammer, hammered tools screwdrivers, tin snips, electrical multi meter and amp meter, wrenches, cutters, files, vise grip, clamps, hacksaws, drills, tape measure, Allen keys and knives.

Altitude will supply tools of trade and equipment's needed for the Job, including but not limited to:

Vacuum pumps, refrigerant recovery machine and recovery cylinders, electronic leak detectors and UV dyes, coil cleaners, manifolds/ gauges, digital vacuum gauges, pipe bending tools, multimeters, clap meters and voltage testers, infrared thermometers and thermal imagers, insulation resistance testers, capacitor testers; etc.

**Driver's License:** Possession of an International driver's license is a requirement for this position.

**COVID-19 Vaccination:** Only fully vaccinated candidates will be considered.

**Medical Certificate:** Medical certificate confirming that the applicants' health and fitness is suitable to this Position is required.

**Salary:** Negotiable - Compensation based on skills and experience as discussed in Manpower Request Form.