

EDUCATION

- Electrical Construction Technician, South Florida Institute of Technology, USA 02/12/2025
- GED, American Academy of Pinecrest, USA, 06/22/2023
- Electrical Installations, Aprende Institute, USA, 2023
- Telecommunications Professional Training - ETECSA Learning & Development Center - Cuba, 2009-2014
- Engineer in Telecommunications & Electronics - Cuba, 2011
- Electronics Technician Cuba, 2000

WORK EXPERIENCE

Dade GSE 11/04/2024

Electrical System Diagnostics and Repair

Diagnose faults in the electrical systems of GSE equipment: starting, lighting, charging, instruments, controls, etc.

Repair or replace electrical components such as alternators, starters, relays, sensors, switches, fuses, and wiring.

Perform tests with multimeters, scanners, and specialized tools to locate short circuits, ground losses, or faulty connections.

Verify the operation of batteries, electric chargers and energy converters.

Installation and Maintenance of Electrical Components

Install new or upgraded electrical systems on existing equipment (GPS, LED lights, solar panels, cameras, etc.).

Perform preventive maintenance on electrical systems according to established programs.

Check and adjust connections, tightening and protections of electrical panels.

Monitor and maintain charging systems in electrical equipment (GPUs, battery chargers, 400Hz units, etc.).

Maintenance of Electrical Ground Support Equipment

Perform checking and maintenance of GSE electrical equipment such as GPUs (Ground Power Units), ASUs (Air Start Units), chargers, escalators, etc.

Maintain electric motors, speed controllers, contactors, and control systems.

Verify correct operation of automated systems and electronic controls.

General Mechanical Support (when you are an "electrical mechanic")

Support in the disassembly of mechanical components to access electrical wiring.

Carry out mixed electrical diagnosis and mechanical repair work if the equipment requires it.

Verify integration between electrical systems and diesel, hydraulic or pneumatic engines.

Meisner Electric 02/08/2024 -09/26/2024

Read and interpret electrical and architectural plans.

Trace routes for electrical conduits (trays, ducts, conduits, PVC, EMT, etc.).

Make holes and gutters in walls, floors or ceilings for power lines.

Install pipes and electrical boxes for passage and connection, according to plans.

Laying power cords, outlets, lighting, voice, and data.

Identification and labelling of cables in accordance with regulations.

Assembly of Electrical Equipment and Systems

Installation of general and secondary electrical panels.

Connection of switches, breakers, sockets, luminaires and sensors.

Assembly of grounding systems and lightning rods.

Installation of special electrical equipment: motors, pumps, extractors, air conditioning, etc.

Review of continuity, polarity and tensions.



CARLOS THIEME

PROFILE

Highly motivated individual with experience in Telecommunications Network Engineering & Operations, Project Management, and Service Provisioning; with a verifiable record of accomplishment spanning 20 years in the Telecommunications & Information Technology industries. Highly creative, recognized as a results-oriented, solution-focused, and team-player. Electrical Technician with solid training and experience in residential, commercial and industrial electrical installations within the construction sector. Specialized in the interpretation of electrical plans, assembly of low and medium voltage electrical systems, structured wiring, installation of panels, conduits and protection devices. Noted for its commitment to occupational safety, compliance with electrical standards (such as NEC, RETIE, or others depending on the country), and ability to work as a team with other construction trades. Skilled in the detection and solution of faults, preventive and corrective maintenance, as well as in the implementation of new technologies for energy efficiency. With a proactive attitude, responsibility and adaptability to operate under demanding

conditions on site, complying with schedules and quality standards.

Electrical technician with experience in diagnosis, repair and installation of electrical systems in ground support equipment (GSE) used in airport operations. With solid knowledge in automotive, industrial and electromechanical systems, aimed at maintaining the operability and safety of units such as GPUs, motorized ladders, tow tractors, pushbacks, among others.

Specialist in reading electrical plans, fault detection, panel assembly, wiring, maintenance of batteries, alternators, starter motors, lighting and control systems. Capable of integrating electrical work with mechanical and hydraulic functions depending on the type of equipment. Accustomed to working under strict operational safety protocols, electrical regulations (NEC, OSHA, RETIE or others) and preventive and corrective maintenance procedures. Responsible, methodical and with an excellent disposition to teamwork and compliance with rotating shifts or demanding conditions on the platform.

CONTACT

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Functional tests of the entire electrical system.

Maintenance and Fault Correction

Detection of short circuits, voltage failures, overloads or bad contact.

Replacement of faulty wires, fuses, switches.

Verification of grounding and differential protections.

Adjustments to systems according to customer requirements or regulations.

Premier-Electrician 02/04/2024

Installation and maintenance of electrical panels. Installation of custom lighting systems for high-end residential units. Installation of Central Inverter system Illuminator (Myers-Emergency Power Systems).

Installation, operation and maintenance (ABB Drivers Heating, ventilation, air conditioning and refrigeration, Danfoss VLT HVAC Drive).

Installation (Ditek Surge Protective Device, ABB Surge Protective Device)

AVL Channel- Electrician 06/19/2023-08/18/2023

Executing plans of electrical wiring for well-functioning lighting, intercom, and other electrical systems. Installing electrical apparatus, fixtures and equipment for alarm and other systems. Installing safety and distribution components. Installation and wiring of electrical panels.

Keylite-Electrician 02/17/2023-06/16/2023

Executing plans of electrical wiring for well-functioning lighting, intercom, and other electrical systems. Installing electrical apparatus, fixtures and equipment for alarm and other systems. Installing safety and distribution components.

ETECSA-Pinar del Rio, Cuba-IT Technician 2013-2022

Installation, Operations & Maintenance of Telecom DC Power Systems (Eltek Valere 24 & 48 VDC, Emerson 48V, Smartpack 48 VDC, Huawei 24 & 48 VDC, ABB 48 VDC, ABB Drivers).

ETECSA-Pinar del Rio, Cuba-Telecommunications Project Engineer 2009-2013

Responsible for planning, coordinating, and overseeing the execution of projects that involve the installation & commissioning of Telecommunication Systems & Networks

(PSTN, ISDN, NGN, GSM/GPRS, CDMA, WiFi, IP/MPLS, FR, ATM, Ethernet, PDH, SONET/SDH, ASON, DWDM). Worked closely with Managers & Engineers, developing & proposing Project Budgets. Training & Supervision of Engineering/Support staff.

ETECSA-Pinar del Rio, Cuba-NOC

Engineer in Training 2002-2009 Assist the NOC Engineers with the operation, maintenance, monitoring, provisioning, diagnose & troubleshooting of the Telecommunication Network Infrastructure, including Ericsson PSTN/ISDN (AXE-10 Switching System, EAR ASM & EAR MUS/MUA, WinFIOL OSS). Ericsson GSM (BTS Access Network). Alcatel- Lucent SDH/SONET & OTN (1850TSS, 1660SM, 1646SM/SMC, 1642EM/EMC, 1641SM, 1651SM, 1650SMC, 13500MS, 1353SH, 1354RM). Alcatel ATM/FR/Ethernet (3600, 7300ASAM, 7301ASAM, AWS 5523, 2403 DSLAM). Huawei SDH/SONET & ASON (OptiX 155/622H, 2500+, 7500, T2000). Huawei Metro Ethernet (A8010 Expert, MA5600 MSAN, CX300 MSP). Huawei IP/MPLS (NE40 RSP, iManager N2000 BMS).

TECHNICAL STRENGTHS

Data Communications Networks (IP, MPLS, Ethernet, ATM, Frame Relay). Transport Networks (SONET/SDH, OTN, ASON, C/DWDM, T-Carrier, E-Carrier).

Access Networks (Ethernet, DSL, DSLAM).

Telephone Networks (PSTN, ISDN, SS7, IN, NGN, VoIP, PBX).

Telecom DC Power Systems (DC Power Plants, Telecommunications Batteries, System Design).

Computer Networks (LAN/MAN/WAN, TCP/IP, OSI Model, Routing & Switching).

Computer Systems (Windows OS, Linux OS, Unix OS, Troubleshooting, Security, Mobility, MS Office Suite).

DC Power Systems.

Installation & Maintenance of 48Vdc PowerSystems.

Installation & Maintenance of Battery Banks.

Remote Network Management & EnvironmentAlarms.

Installation of electrical systems

Maintenance of electrical systems

Troubleshooting Electrical Systems

Reading and interpreting blueprints

Electrical Code Compliance

Electrical Safety Procedures

Electrical Testing & Inspection

Electrical Equipment Repair

Circuits & Wiring

Electrical Panel Upgrades

Electrical system design

Electrical System UpgradesSupervision of the Rectifiers.

AC Power Systems.

Installation & Maintenance of Back-Up Generators.

Types of Electrical Installation based on Ground Bounding.

Schematics & Symbology

Electric Wires to be used on Installations, Ampacity Charts.

Installation of AC Panels.

Lightning & Surge Protection Systems

TECHNICAL STRENGTHS

Technician (Ground Support Equipment - GSE)

Technician specialized in diagnosis, maintenance, repair and programming of ground support equipment used in airport operations. Experience in electrical systems, diesel engines, functional testing, use of diagnostic software and comprehensive support of mobile equipment.

Workspace and Task Description:

Diagnosis and programming:

- Software installation and configuration (Cane Cummins, Posicharger, Deutz, Curtis).

- Controller programming (Curtis).Electrical and electronics:

Electrical Keyloader Diagnostics.

Verification of charging systems, battery and ground lines.

- Voltage, continuity and grounding tests.General mechanics and diesel engines:

Work on Diesel engines (FMC, TUG, Harlan, Tiger etc.).

- Repairs to towing and loading equipment.Tests and Fault Codes (DTCs):

Reading fault codes.

-Testing BOS systems and other operational functions.Bug fix:

Repair of electrical and mechanical systems.

- Troubleshooting power supply issues.Support for plant equipment:

Food truck, push back, bathroom truck, fulling mill truck.

- Keyloaders, TUG Tractors, Commander, FMC and TLDequipment.

Technical knowledge:

Diesel and electric engines

Software diagnostics

High and low voltage electrical systems

- GSE Equipment: TLD, FMC, Curtis, PosichargerTools used:

Diagnostic Software

Multimeter, battery testers

Computers with Controller Interfaces