

ENGINEERING TECHNICIAN V

Experience

04/2014 to 07/2015

Engineering Technician V Company Name 1/4 City, State

04/1996 to 07/2015

Engineering Technician V Company Name 1/4 City, State

- I have over 29 years of progressive experience in the electrical, communications, electronics, and telecommunications fields.
- As Technical Team Lead, he has led major USCG shipboard communications upgrades or shipboard installations on 225' Seagoing Buoy Tenders (WLB), 175' Coastal Buoy Tenders (WLM), and 87' Coastal Patrol Boats (WPB) to mitigate electromagnetic interference (EMI) on these vessels with VHF transceivers and satellite-based GPS systems.
- He team led the implementation of TCTO 2010 which fielded the VHF antenna relocation to the 225' WLB class and 175' WLM class.
- He coordinated and was the team leader on the prototype VHF antenna relocation on the 225' WLB class.
- He was part of the team that designed and developed Relocation and Replacement of CEMT-4265A antennas on the 87' WPB.
- He also coordinated and team lead the VHF relocation tasking on these classes of USCG vessels.
- Mr.
- Roshto was responsible for the scheduling, planning, and performing field implementation of the EMC-EMI Program Support including USCG/USN RADHAZ/EMI control measures.
- He also provided technical leadership in the Topside Maintenance and Dockside Repair program which included USCG/USN HF, VHF and UHF Communications Systems.
- Mr.
- Roshto has over 10 years' experience supporting Differential Global Positioning System (DGPS) installations, Nationwide Differential Global Positioning System (NDGPS) installations, electronic communication equipment and systems including the DGPS Radio Beacon Transmitters.
- His experience includes installation of cables, electrical systems, computer systems, and DGPS radio beacon sites.
- He has supervised installation team at various DGPS sites including refurbishment of shelters, upgrade of electrical systems, installation of security monitoring systems, installation of concrete tower foundations, installation of towers, and DGPS related equipment.
- Mr.
- Roshto also brings both verbal and written communications skills to support understanding of customers' needs and team performance.
- As Engineering Technician V, Mr.
- Roshto has provided technical team leadership for USCG shipboard VHF antenna upgrades over the past five years.
- This has included VHF antenna upgrades, removals, and installations on 225' Seagoing Buoy Tenders (WLB), 175' Coastal Buoy Tenders (WLM), and 87' Coastal Patrol Boats (WPB).
- He has been the technical team lead in the upgrade and installation of VHF antennas on eleven 225' WLBs, including USCGC Alder (WLB-216) - Duluth, MN, USCGC Aspen (WLB-208) - San Francisco, CA, USCGC Fir (WLB-213) - Astoria, OR, USCGC Hickory (WLB-212) - Homer, AK, USCGC Kukui (WLB-203) - Honolulu, HI, USCGC Maple (WLB-207) - Sitka, AK, USCGC Oak (WLB-211) - Charleston, SC, USCGC Sequoia (WLB-215) - Santa Rita, Guam, USCGC Spar (WLB-206) - Kodiak, AK, USCGC Sycamore (WLB-209) - Cordova, AK, as well as the prototype installation on the USCGC Walnut (WLB-205) - Honolulu, HI.
- Mr.
- Roshto's VHF antenna upgrades have involved configuration, pre-installation testing, installation, cabling, connecting, and post-installation testing of CEMT-396-1 antennas and HS-2774-1 antennas VHF antennas for these shipboard upgrades on the 225' WLBs, 175' WLMs, and 87' WPB, with relocations and installation to mitigate electromagnetic interference to these USCG vessels.
- For these projects, Mr.
- Roshto has been responsible for: Developing technical documentation for Pre-Maintenance Test (PMT) documents, Pre-Installation Test and Check Out (PITCO) documents, Onsite Installation In-Brief "Visit Books", and System Operational Test (SOVT) documents Coordination and scheduling with the USCG C4IT Service Center and the WLB vessel for the on-site shipboard activities Pre-maintenance testing of all antennas and contractor provided equipment Conducting an in-brief with the USCG ship personnel on the planned VHF antenna relocation, removal of old antennas/equipment, installation of new antennas, detailed description of work, and shipboard installation schedule Performing shipboard interface with the GOTR or other C3CEN inspecting activity.
- Performing pre-installation walkthrough and site survey onboard USCG vessels Performing onboard Pre-Installation Testing and Checkout (PITCO) and documentation prior to installation activities Removing outdated VHF antennas, HF FAX antennas, AM broadcast antennas, and associated transmission lines, mounts, and sealing all hull penetrations Performing installation and relocation of VHF antennas, as well as installation foundations, antenna mounts, cabling, provided stuffing tube installation, cable mount installation, and connection and termination between antennas and transceiver equipment Performed cable continuity check, cable banding, cable identification tags Coordinating with welder in supporting firewatch roles and ensured quality of welding and grinding activities Restoring any affected work areas to pre-installation condition, and disturbed surfaces were primed and painted to match the surrounding area Performing System Operational Verification Test (SOVTs) of the installed and relocated equipment, recording SOVT results, ensuring all systems properly operating, and providing documented SOVT results to the USCG personnel, including performing an Electromagnetic Interference Matrix and an Electromagnetic Compatibility Inspection Documenting and recording field support activities performed and equipment changes in OPNAV 4790/CK forms Conducting out-brief with USCG representatives, addressing any issues and findings (site survey, PITCO, SOVT), providing all documentation (including PITCO results, SOVT results, and 4790/CKs) Developing post-installation trip reports and final technical documentation Other USCG support projects supported by Mr.
- Roshto have included: Worked on various shore site and shipboard EMC/EMI program support projects including laboratory testing and experimentation.

- Supported various USCG installation projects, which required installation of electrical systems at shore and shipboard sites, and installation of computer equipment and associated cables.
- Performed overhaul and maintenance of USCG Optical Surveillance (OSS) Systems.
- Assisted in the installation of the electronic standardization plan for the USCG 41' Utility Boats.
- Served as team leader in the installation of Coast Guard DGPS Radio Beacon transmitter sites.
- He coordinated team efforts for the DGPS installations at sites such as Key West, FL, Moriches, NY, Tampa, FL, and other locations.
- His duties included fabrication of concrete foundations, shelter installation, electrical system installation, heating, ventilating, and air conditioning (HVAC); equipment installation, and tower/antenna installation.
- He installed and maintained electrical, HVAC, and chill water systems.
- Installed various types of conduit, cable trays, and cable duct.
- He oversaw welding, plumbing, and carpentry in support of installation of DGPS shelters, electrical systems, towers, foundations, and DGPS equipment.
- Performed the installation and upgrade of USCG HF sites and in various locations which included the Greater Antilles Section (GANTSEC).
- Performed HF Fan Wire Impedance Matching on U.S.
- Navy ships.
- Assisted in the installation of the Appleton, WA prototype Ground Wave Electrical Network (GWEN) conversion to DGPS and has performed a number of other NDGPS conversions.
- Served as team leader on the installation of the PA-Alarm Systems on USCG WLIC Boats.
- Performed the equipment installations and system upgrades for the Vessel Traffic Control Systems (VTC) in numerous locations including Houston/Galveston, TX area.
- Performed installation and set-up of National Distress System (NDS) equipment in various locations including North Carolina and Florida.
- Installed all electrical circuits, video cabling and video display system equipment at numerous Coast Guard Command Centers.
- Installed full floor 65 kVA Uninterruptible Power Supply Systems at both Atlantic and Pacific Area Command Centers.
- Wired for new electrical system at each site.
- Installed new drop ceiling at Pacific Area command center and wired all new lighting system.
- Installed and maintained BARCO Video Display systems in many Coast Guard Command Centers and Sectors.

08/1995 to 04/1996

Maintenance Technician Company Name 1/4 City , State

- Mr.
- Roshto installed electrical systems for various equipment and conveyers.
- He participated in set up of facility in preparation for production of automotive seating.
- He supervised the maintenance department second shift as production began.
- He maintained all electrical and mechanical systems, conveyers and Programmable Logic Controllers used in production process.
- He fabricated tools and installed fixtures as needed to aid production.

09/1991 to 08/1995

Installation Technician Company Name 1/4 City , State

- Mr.
- Roshto installed electrical systems at shore and ship sites.
- He installed computer equipment and associated cables.
- He installed Joint Operational Tactical Systems and Combat Direction System on ships and at shore facilities.
- Mr.
- Roshto performed overhaul and maintenance of Optical Surveillance systems.
- As team leader, he assisted in the design and installation of Coast Guard DGPS Radio Beacon Transmitter sites.
- He performed maintenance and repair of equipment and facilities at various government installations.
- He performed sheet metal fabrication and installation.
- He installed raised computer floors, walls, and ceilings.
- He installed and maintained heating, ventilating, air conditioning, and chilled water systems.
- Mr.
- Roshto installed various types of conduit, cable trays, and cable duct.
- He performed welding, plumbing, and carpentry.

01/1985 to 01/1991

Electrical/Mechanical Foreman Company Name 1/4 City , State

- Mr.
- Roshto installed various commercial/industrial electrical systems including uninterruptible power supplies, motor generators and switching systems.
- He performed installation, troubleshooting, and repair of production equipment and various conveyer systems.
- He installed small package sorting systems including interface with existing outbound computer manifesting system.
- He assisted in-house personnel at QVC Network, Hills Bros.
- Coffee and Allied Colloids, Inc.

- with installation and maintenance of equipment and facilities.

01/1983 to 01/1985

Electrical Apprentice Company Name i¼ City , State

- Mr.
- Roshto supported commercial, industrial, and residential electrical installations, and he performed basic troubleshooting.

Education

1988

Diploma Norview High School Virginia Apprenticeship Council Electrical Apprenticeship

Additional Information

- Location: Virginia Beach, VA Security Clearance: TOP SECRET

Skills

automotive, basic, broadcast, cables, cable, cabling, carpentry, chill, CA, conversion, Council, SC, Direction, documentation, electrical systems, electronics, equipment installation, experimentation, FAX, forms, government, GPS, HVAC, inspecting, Inspection, laboratory testing, leadership, team leadership, Team Lead, team leader, lighting, Logic, Maple, mechanical, Navy, NDS, Network, OSS, personnel, plumbing, Positioning, Power Supply, power supplies, quality, Radio, recording, San, scheduling, sorting, technical documentation, Technician V, telecommunications, transmission, troubleshooting, UHF, upgrades, upgrade, VHF, Video, welder, welding, written communications