

Stephen R. McCurdy

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Executive Professional Summary

Senior Site Manager, Utilities & Power Generation Leader, and Quality Assurance Executive with more than 20 years of experience delivering complex federal infrastructure and utilities programs worldwide, including 15+ years supporting U.S. Government and Department of Defense operations in austere and remote environments. Recognized for leading mission-critical power generation, central energy plant (CEP) operations, and utilities infrastructure programs supporting NAVFAC, USACE, LOGCAP, and federal installation modernization initiatives.

Demonstrated success managing multi-million-dollar utilities, energy, and facilities programs with near-zero operational downtime, ensuring reliable delivery of diesel power generation, medium-voltage electrical distribution, and central energy plant operations. Provides strategic oversight of boilers, chillers, generators, HVAC infrastructure, and power distribution systems, leading operations and maintenance (O&M) teams to implement preventive maintenance strategies, engineering system improvements, and lifecycle asset management that enhance reliability and long-term infrastructure resilience.

Highly experienced in site management, utilities program leadership, and quality assurance management, with deep expertise in USACE Construction Quality Management (CQM-C), EM 385-1-1 safety compliance, and federal contracting standards. Proven ability to lead multinational technical workforces representing more than 20 nationalities, aligning engineering, operations, logistics, and safety teams to successfully deliver large-scale infrastructure programs in high-risk operational environments.

Technical leadership spans MW-scale diesel power plants, medium-voltage distribution networks, SCADA-controlled generation systems, substations, switchgear, and mission-critical backup power systems. Hands-on operational experience includes Caterpillar C-280, CAT 3512/3516, Caterpillar 3600 Series generators, Cummins QSK60 and KTA series engines, MTU 4000 series generators, and electrical distribution networks ranging from 24VDC to 15kVAC, including PLC-controlled systems, GE and Siemens switchgear, step-up and step-down transformers, and automated transfer switch infrastructure.

Certified in USACE Construction Quality Management for Contractors (CQM-C), EM 385 Safety & Health, OSHA 30, NFPA 70E Electrical Safety, HAZWOPER, and advanced Caterpillar power generation systems, with specialized training in SCADA/PLC troubleshooting, high-voltage electrical safety, and power plant operations. Combines deep technical expertise with strategic program leadership to support NAVFAC and USACE infrastructure modernization efforts in remote, expeditionary, and austere environments **worldwide**.

TRAINING CERTIFICATIONS.

US Core Engineers US Army Core Engineers (*QC Management for Contractors 784*)

US Core Engineers US Army Core Engineers Safety and Health EM385

OSHA 30 and OSHA 10

NFPA 70E, & Electrical Safety Arch Flash Safety, & Electrical Fire & Safety

SCADA Siemens Automation Wincc Electrical Troubleshooting, PLC Troubleshooting 70

Understanding 30 Power Plant and Plant Distribution

Caterpillar Operations and Maintenance Emergency Diesel Generator Set 1500kva and Associated Systems

Caterpillar 3600 Series 3500KVA Diesel Generator Set and Associated Equipment

UTI associate degree Automotive and Diesel Technology

40-hour HAZWOPER

24-Hour Onsite Emergency Manager Caterpillar 3500 & 3600 Series Training H2SGAS Training

Detroit Diesel Series 3600 Engine Troubleshooting & Overhaul Procedures Detroit

Diesel Series 71, 92 Engine Troubleshooting & Overhaul Procedures

Professional Highlights

- Directed Environmental, Health, Safety, and Quality Assurance (EHSQ) programs supporting MW-scale power generation facilities, ensuring full compliance with USACE, NAVFAC, EM 385-1-1, OSHA, and federal infrastructure standards.
- Successfully commissioned and operated MW-level diesel power stations and medium-voltage electrical distribution systems, delivering reliable power for mission-critical facilities and remote government installations.
- Recognized for strategic operational leadership, identifying performance gaps, implementing process improvements, cost-reduction strategies, and operational efficiencies that enhanced productivity, safety compliance, and stakeholder satisfaction.
- Led multinational engineering and operations teams, fostering a culture of safety, accountability, and performance excellence while delivering high-reliability utilities infrastructure with near-zero operational downtime.
- Managed large-scale power generation systems and control room operations, overseeing diesel generators including Caterpillar C-280, CAT 3512, CAT 3516, Cummins QSK60, KTA50G3, KTA50G9, MTU 20V400G24F, and MTU 20V4000G34F platforms.
- Oversaw electrical power generation and distribution systems ranging from 24VDC to 15kVAC, including synchronous alternators, medium-voltage switchgear, substations, transformers, and mission-critical backup power systems.
- Managed advanced SCADA and PLC-controlled power systems, ensuring reliable operation of GE and Siemens electrical infrastructure, switchgear, automatic transfer switches (ATS), and grid distribution networks.

- Directed power plant reliability programs, including preventive maintenance strategies, root-cause analysis, system diagnostics, and performance optimization across complex utilities infrastructure.
- Implemented quality assurance and operational standards for power generation systems, ensuring compliance with engineering specifications, regulatory requirements, and federal contract performance metrics.
- Provided leadership in power plant operations, electrical infrastructure management, and mission-critical energy systems, supporting military installations, federal facilities, and remote infrastructure programs worldwide.

SKILLS & EXPERTISE

- Site Management
- RMS USAGE
- Operations & Maintenance Oversight
- Program and Project Management
- Utilities Management
- Electrical Power Generation & Distribution
- Power Plants Program and Project Management
- US Army General Fund Enterprise Business Systems
- Quality Assurance Management
- Contract Development & Negotiation
- Natural Gas Rebuilds
- Camp Facilities O & M
- Power Plant and Stand by Diesel Generators Quality Assurance Program and SOP Development
- Power Plant Construction Operations, Maintenance and Commissioning.
- Power Plants Program and Project Management
- Strategic Planning
- Budget Development and Administration
- Materials & Inventory Management
- Continuous Process Improvement
- Safety Program Management Ahas, & Site HSE Plan's
- Regulatory Compliance
- Risk Management & Mitigation
- Preventive Maintenance, Installation & Repair
- Microsoft Office (*Word, Excel, Outlook, Project*)
- Maximo

PROFESSIONAL EXPERIENCE

Cascade Contracting & Services LLC. 4/2025 to present **Logistics Manager** Kwajalein Us Marshall Islands

U.S. Army Corps of Engineers (USACE)

- Directed end-to-end logistics operations supporting overseas government infrastructure and construction programs, coordinating activities between contractors, subcontractors, suppliers, and project leadership in remote OCONUS environments.
- Managed Man Camp billeting operations, including housing assignments, facility operations and maintenance, workforce accommodations, and life-support services for deployed project personnel.
- Oversaw human resources coordination and international travel logistics, including employee mobilization, deployment scheduling, travel authorization, and onboarding for overseas project assignments.
- Led procurement and supply chain operations, managing project material purchasing, vendor coordination, delivery tracking, and inventory accountability to ensure uninterrupted project execution.
- Supervised shipping, receiving, and mail operations, including freight coordination, container tracking, warehouse logistics, and documentation control for inbound and outbound materials.
- Coordinated project scheduling, operational logistics, and cross-functional communication across engineering teams, subcontractors, government representatives, and project management staff.
- Maintained comprehensive project documentation and records management, including meeting minutes, operational reports, compliance records, and contract deliverables to ensure audit readiness.
- Prepared and submitted routine and executive-level reports detailing logistics status, procurement activities, project milestones, and compliance metrics.
- Supported contract administration and procurement oversight, tracking purchase orders, contract modifications, vendor invoices, and material submittals in accordance with federal contracting requirements.
- Implemented material tracking and inventory management systems to monitor supply chain performance, procurement timelines, and logistics efficiency.
- Monitored project budgets and cost controls, supporting financial tracking, expense reconciliation, and documentation to maintain transparency and compliance.
- Ensured operational alignment with federal regulations, government contracting standards, and overseas operational policies, maintaining strict adherence to contractual obligations.
- Supported implementation of environmental, health, safety, and quality (EHSQ) compliance programs, reinforcing safety culture and regulatory compliance on overseas project sites.
- Strengthened program execution through logistics planning, supply chain optimization, and operational risk mitigation strategies in complex international project environments.

Quality Control Manager, US Coast Guard Base Kodiak Base Operations Support Services Base and All Options Value (Total Contract Value):
\$159,922,133.39 561210 - Facilities Support Services contract number 70Zo8423RKODI0001

- Directed enterprise-level **Quality Assurance and Quality Control (QA/QC) operations** supporting the **US Coast Guard Base Kodiak Base Operations Support Services (BOSS) contract**, ensuring compliance with **USACE, NAVFAC, and federal facilities support standards**.
- Developed and implemented a comprehensive **Quality Control Plan (QCP)** aligned with **USACE Construction Quality Management for Contractors (CQM-C)** certification requirements and **EM 385-1-1 Safety and Health standards**.
- Managed **quality oversight across multiple base operations functional areas**, including **facilities maintenance, utilities systems, environmental services, housing maintenance, fuel systems, transportation, and logistics operations**.
- Led **daily QA/QC inspections and compliance verification** for infrastructure maintenance, construction, and operational activities, ensuring adherence to **government specifications, contract performance standards, and regulatory requirements**.
- Administered **submittal management, inspection documentation, and milestone tracking** using **RMS (Resident Management System)** and digital reporting platforms to monitor contractor compliance.
- Implemented the **USACE Three-Phase Inspection Process (Preparatory, Initial, Follow-Up)** to ensure proper sequencing, quality control compliance, and verification of definable features of work.
- Conducted **digital field inspections using tablet-based QA/QC applications**, capturing real-time compliance data, inspection reports, and photographic documentation aligned with project drawings and specifications.
- Reviewed and approved **permits and safety documentation** for crane operations, excavation activities, hot work permits, and critical lift plans while verifying equipment certifications and operator qualifications.
- Collaborated with **engineers, project managers, and contractors** to resolve **Requests for Information (RFIs)** and design discrepancies, utilizing **Bluebeam Revu** to review and annotate construction documents.
- Evaluated **Activity Hazard Analyses (AHAs)** and monitored contractor safety compliance using digital safety management tools to ensure alignment with **OSHA and EM 385-1-1 safety requirements**.
- Prepared and submitted **daily QA/QC reports, inspection documentation, and corrective action tracking**, ensuring transparency and accountability for all project quality activities.
- Established and monitored **Key Performance Indicators (KPIs)** to measure operational performance, quality metrics, and contract compliance across all BOSS contract service areas.
- Developed and implemented a **Quality Control training program** for USCG Base personnel and contractors, promoting a culture of **continuous improvement and quality management best practices**.
- Supervised, coached, and mentored project staff in **quality management principles, inspection procedures, and federal contract compliance requirements**.
- Managed **Quality Incident Reports (QIRs), deficiency tracking, and corrective action plans**, ensuring timely resolution and continuous process improvement.
- Conducted **internal quality audits and program evaluations**, analyzing performance trends and implementing improvement strategies to strengthen operational quality and compliance.
- Coordinated **inspection and testing activities with contractors, engineering consultants, material testing laboratories, and government representatives** to validate construction quality and materials compliance.
- Developed and implemented **Inspection and Test Plans (ITPs)** and project-specific quality procedures for critical infrastructure and facilities support activities.
- Reviewed and validated **technical material submittals and specifications**, including **concrete mix designs, thermal control procedures, and specialized materials** to ensure engineering compliance.
- Provided executive-level reporting and feedback to **operations leadership, government CORs, and quality management teams** regarding performance trends, non-conformances, and improvement initiatives.

MBP 2600 Park Tower Drive Suite 801Vienna, VA 22180 **2/21/2024 to 5-05-24 Qa Construction Engineering Technician** In Direct Support Tinian Divert P-9021 & P-9022 FY20 P9010 FUEL TANKS W/RECEIPT PIPELINE & HYDRANT SYSTEM COMBINED WITH FY19 P9030 APR-CARGO PAD W/TAXIWAY EXTENSION, FY19 P9040 APR -MAINTENANCE SUPPORT FACILITY, AND FY20 P9021 APSI-AIRFIELD DEVELOP \$400,690,757firm-fixed-price contract for site development and for the construction of an aircraft parking apron and taxiway at the Tinian International Airport, Tinian, Commonwealth of the Northern Mariana Islands (CNMI).

- **FY20 P9010 Fuel Tanks with Receipt Pipeline & Hydrant System**
- **FY19 P9030 Cargo Apron with Taxiway Extension**
- **FY19 P9040 Maintenance Support Facility**
- **FY20 P9021 APSI Airfield Development**
- **FY20 P9022 Aircraft Parking Apron**
- Provided **Quality Assurance (QA) Construction Engineering Technician support** for large-scale **Department of Defense (DoD) airfield infrastructure projects** at **Tinian International Airport**, ensuring compliance with **NAVFAC, USACE, and federal construction standards**.
- Certified in **USACE Construction Quality Management for Contractors (CQM-C 784)** and **EM 385-1-1 Safety and Health requirements**, supporting government oversight and contractor compliance.
- Led **QA/QC field inspection operations** for major infrastructure development including **airfield pavement systems, taxiways, aircraft aprons, fuel storage systems, pipelines, hydrant fueling systems, and site development activities**.
- Managed **submittal reviews, inspection documentation, and milestone tracking** using **NAVFAC ECMS (Enterprise Construction Management System)** to validate contractor Quality Control Plans and ensure adherence to contract specifications.
- Implemented the **USACE Three-Phase Inspection Process (Preparatory, Initial, and Follow-Up)** to ensure definable features of work met design requirements and construction quality standards.
- Conducted **daily QA inspections using tablet-based digital QA/QC applications**, capturing real-time compliance data, photographic documentation, and field verification against project drawings and specifications.
- Reviewed and processed **construction permits for critical operations**, including **crane operations, excavation permits, hot work permits, and critical lift plans**, ensuring equipment certification and operator qualifications were verified.

- Coordinated with **NAVFAC engineers, Resident Engineers, construction contractors, and subcontractors** to resolve **Requests for Information (RFIs)** and drawing discrepancies, utilizing **Bluebeam Revu** for technical document review and annotation.
- Evaluated **Activity Hazard Analyses (AHAs)** and monitored contractor safety performance using **Procore Safety Module**, ensuring compliance with **OSHA regulations and EM 385-1-1 safety standards**.
- Prepared and submitted **daily QA/QC inspection reports and construction progress documentation**, identifying deficiencies, corrective actions, and compliance status for all definable features of work.
- Performed **site supervision and construction inspection** for structural, civil, environmental, and infrastructure activities, ensuring quality workmanship and adherence to contract requirements.
- Reviewed **construction drawings, specifications, and design packages** during design review and bidding phases, providing recommendations to address existing field conditions and constructability concerns.
- Conducted **pre-construction conferences** under the direction of the **NAVFAC Resident Engineer**, ensuring contractors clearly understood contract scope, safety requirements, quality expectations, and inspection protocols.
- Reviewed contractor **site-specific safety programs** and enforced compliance with **EM 385-1-1 Safety and Health standards**, maintaining strict adherence to safe construction practices.
- Performed **independent quality assurance oversight**, resolving technical issues proactively while keeping leadership informed of policy concerns, contractual risks, and project deviations.
- Prepared **technical reports, correspondence, inspection documentation, and quality records** for review and signature by government engineering leadership.
- Supported the **overall construction management process**, including contract administration, inspection coordination, design interface, and construction progress monitoring.
- Conducted **site condition assessments and scope development**, evaluating project requirements, customer requests, and operational constraints to develop accurate scopes of work for government review.

NAVFAC Southwest Navy Base Ventura County Public Works Department 10/11/2023 to 1/15/2024

- Directed **power generation and electrical distribution operations**, supervising **Powerhouse Operators, High Voltage Technicians, and Preventive Maintenance (PM) teams** to ensure safe, reliable, and efficient electrical system performance.
- Led **quality assurance, commissioning, and safety oversight for power plants, substations, wind farm systems, and electrical infrastructure**, ensuring compliance with **NAVFAC, OSHA, EM 385-1-1, NFPA 70E, NEC, and IEEE standards**.
- Supervised technical crews responsible for **high-voltage cable troubleshooting and repair**, diagnosing faults including **short circuits, electrolysis damage, insulation failures, capacitance imbalances, and underground cable breaks**.
- Managed **high-voltage inspection, maintenance, and repair programs** for electrical transmission and distribution systems, ensuring regulatory compliance with **federal, state, and local electrical codes and safety standards**.
- Developed and implemented **electrical work procedures, switching protocols, and safety procedures** to improve operational efficiency and ensure workforce safety.
- Prepared and executed **electrical switching plans and switching orders** using **single-line diagrams, load data analysis, and system operating procedures** to safely reroute and distribute electrical power.
- Controlled and monitored **transmission and distribution substation operations**, including **transformers, switchgear, circuit breakers, relays, and disconnect systems**.
- Coordinated **emergency response and outage management operations**, dispatching electrical crews and equipment to restore power and maintain **mission-critical electrical reliability**.
- Maintained operational records and **system performance logs using Energy Management Systems (EMS)** and grid monitoring tools to track outages, equipment status, and load performance.
- Enforced **electrical safety compliance programs**, including **Lockout/Tagout (LOTO), permit-to-work systems, barrier management, and energized work procedures**.
- Managed **power grid operations, load balancing, and system reliability planning** to support continuous electrical service and operational readiness.
- Performed **quality assurance audits, inspection reviews, and corrective action tracking** to maintain compliance with electrical system standards and operational requirements.
- Supported implementation of **SCADA-based control systems, electrical automation, and remote monitoring technologies** for power generation and distribution systems.

American Systems Group 02/17/2023 to 8/20/2023 QA Construction Engineering Technician – OCONUSNAVSTA Guantanamo Bay, Cuba ASG Seaport NxG Contract N0017819D7175 – Task Order N6945021F3002
Provided Quality Assurance (QA) Construction Engineering Technician support for NAVFAC and USACE infrastructure projects at Naval Station Guantanamo Bay, ensuring compliance with federal construction standards, contract specifications, and government quality management requirements.

- Certified in **USACE Construction Quality Management for Contractors (CQM-C 784)** and **EM 385-1-1 Safety and Health**, supporting government oversight of contractor quality and safety programs.
- Led **QA/QC field inspections and compliance monitoring** for construction and infrastructure activities, ensuring **contract compliance, workmanship quality, and adherence to project drawings and specifications**.
- Managed **submittal reviews, inspection checklists, and project milestone tracking** using **RMS (Resident Management System)** to verify contractor Quality Control Plans and ensure compliance with government standards.
- Implemented the **USACE Three-Phase Inspection Process (Preparatory, Initial, and Follow-Up)** to validate definable features of work and maintain strict quality control sequencing.
- Conducted **daily QA inspections using tablet-based digital QA/QC applications**, capturing real-time inspection data, photographic documentation, and compliance reporting.
- Reviewed and processed **construction permits for crane operations, excavation activities, and hot work**, verifying **Critical Lift Plans, operator certifications, and equipment compliance**.

- Coordinated with **NAVFAC engineers, Resident Engineers, contractors, and subcontractors** to resolve **Requests for Information (RFIs)** and drawing discrepancies, utilizing **Bluebeam Revu** for technical document review and markup.
- Evaluated **Activity Hazard Analyses (AHAs)** and monitored contractor safety performance through **Procore Safety Module**, ensuring strict compliance with **OSHA regulations and EM 385-1-1 safety standards**.
- Prepared and submitted **daily QA/QC inspection reports, deficiency logs, and corrective action documentation** using **Procore and Microsoft Office**, supporting transparency and government oversight.
- Reviewed **construction drawings, engineering specifications, and bid packages** during design review phases, providing technical feedback regarding field conditions and constructability.
- Conducted **pre-construction conferences** under the direction of the **NAVFAC Resident Engineer**, ensuring contractors understood contract scope, safety requirements, and quality expectations.
- Performed **on-site supervision and inspection of construction, environmental, and infrastructure projects**, ensuring work met contract requirements and engineering standards.
- Reviewed and evaluated **contractor safety programs and site-specific safety plans**, enforcing compliance with **EM 385-1-1 Safety and Health requirements**.
- Supported the **construction management process**, coordinating inspections, design support, contractor communications, and government reporting.
- Worked out problems largely on own initiative and act independently to perform quality assurance and safety assurance functions but keeps supervisor apprised of any controversial issues and/or policies of unusual nature.
- Reviewed work in the form of reports, correspondence, etc., that are referred to the supervisor for signature.
- Supported the overall construction management process, including, under minimal supervision, establishing budget and contract.

Curtis Power Solutions Baltimore, Maryland **Branch Operations Manager** 09/22 to 02/23

Directed **day-to-day branch operations**, ensuring high performance in **safety, productivity, customer service, and operational profitability**.

- Managed **overall operational leadership**, supervising technical personnel, field service teams, and administrative staff while maintaining compliance with **company policies, safety regulations, and operational procedures**.
- Oversaw **Work-in-Progress (WIP) reporting and financial performance tracking**, preparing detailed **profit and loss (P&L) statements**, operational metrics, and financial reports for senior management.
- Conducted **monthly operational reviews and performance evaluations**, analyzing key business indicators to improve service delivery, operational efficiency, and revenue growth.
- Developed and managed **annual operating budgets**, forecasting labor, equipment, and operational costs to support strategic planning and business objectives.
- Managed **generator preventive maintenance (PM) service contracts and renewal programs**, ensuring equipment reliability, customer satisfaction, and recurring service revenue.
- Coordinated **service scheduling, maintenance operations, and customer support activities** to maintain service level agreements and operational efficiency.
- Implemented **safety and compliance programs**, reinforcing adherence to **OSHA safety standards, company policies, and industry best practices**.
- Led **customer relationship management initiatives**, supporting contract retention, service renewals, and new business development opportunities.
- Streamlined **operational processes, reporting systems, and service workflows**, improving productivity and cost control across branch operations.

J&J Worldwide Services Brian D. Allgood Community Hospital CUP Manager Qa Supervisor -MEDDAC Korea Camp Humphreys South Korea 08/30/2021 to 08/31/2022

Directed operations, maintenance, and reliability of the Central Energy Plant (CEP) supporting U.S. Army Medical Department Activity (MEDDAC) infrastructure at Camp Humphreys, ensuring continuous delivery of steam, chilled water, Electrical distribution, and HVAC systems for mission-critical medical facilities.

- Managed boilers, chillers, generators, electrical power distribution systems, HVAC infrastructure, and mechanical plant equipment, ensuring optimal system performance, energy efficiency, and operational reliability.
- Supervised Operations & Maintenance (O&M) personnel, assigning work orders, coordinating preventive and corrective maintenance activities, and ensuring compliance with government performance standards and contractual requirements.
- Implemented preventive maintenance (PM) programs and reliability-centered maintenance strategies, reducing equipment downtime and improving plant efficiency.
- Oversaw service order management and work order completion, reviewing maintenance documentation and producing monthly operational performance reports to support government invoicing and contract performance metrics.
- Conducted Quality Control (QC) inspections and program oversight, identifying deficiencies and initiating corrective and preventive actions in accordance with the project Quality Control Plan.
- Ensured contract compliance and operational quality standards, supporting government oversight and maintaining alignment with NAVFAC, USACE, OSHA, and EM 385-1-1 safety requirements.
- Solicited, negotiated, and managed service contracts and subcontractor maintenance work, ensuring cost-effective performance and timely completion of maintenance tasks.
- Investigated equipment failures and system performance issues, diagnosing mechanical and electrical faults and implementing solutions to minimize downtime and maintain mission readiness.
- Maintained facility engineering documentation, including system drawings, maintenance records, equipment logs, and regulatory compliance documentation.
- Directed long-range maintenance planning, coordinating scheduled and unscheduled maintenance activities to support facility lifecycle management and operational continuity.
- Analyzed utility consumption and energy performance, identifying opportunities for system optimization, energy efficiency improvements, and operational cost reductions.

- Provided leadership and workforce supervision, mentoring technical staff, improving team performance, and ensuring adherence to safety procedures and operational standards.

Vectrus Systems Corp Site Manager Muwaffai-Salti Air Base (MSAB), Jordan | 01/2021 – 06/17/2021

- AFCAP IV Contract – United States Air Force
Project: 8MW Power Generation Facility & 11kV Distribution System
- Directed site operations, installation, commissioning, and long-term operations & maintenance (O&M) of an 8MW power generation facility supporting U.S. Air Force infrastructure under the AFCAP IV program.
- Managed medium-voltage electrical distribution systems, including 11kV switchgear, five 11kV feeder circuits, MV 600A 4-way switched disconnect switchgear, and power distribution infrastructure.
- Served in multiple leadership roles including Site Manager, Quality Control Manager, Safety Manager, and Property Control Manager, ensuring full compliance with DoD contract requirements, engineering standards, and operational performance metrics.
- Oversaw daily power plant operations, supervising technicians, electricians, and maintenance personnel to maintain continuous electrical power generation, distribution reliability, and system availability.
- Implemented preventive maintenance (PM) and corrective maintenance programs for generators, electrical switchgear, distribution systems, and mechanical infrastructure to maximize plant performance and reduce downtime.
- Led Environmental, Health, and Safety (EHS) programs, enforcing compliance with OSHA, EM 385-1-1, and military safety regulations, while promoting a strong safety culture across site operations.
- Developed and implemented a Property Control Plan, ensuring proper accountability and tracking of Government-Furnished Equipment (GFE) and Contractor-Acquired Property (CAP).
- Conducted daily quality control inspections for civil and electrical construction activities, verifying compliance with engineering drawings, technical specifications, and contract performance standards.
- Prepared and submitted daily QC reports, operational status reports, and project progress updates to the prime contractor and government representatives.
- Managed logistics coordination and supply chain operations, overseeing procurement, material tracking, equipment deliveries, and inventory management to support uninterrupted plant operations.
- Coordinated with engineering teams, subcontractors, and government stakeholders to ensure successful execution of project milestones and technical requirements.
- Supported power plant commissioning and startup activities, ensuring systems met operational readiness standards and performance specifications.

PAE Supervisor, **Power & Fuel System Supervisor** U. S. Embassy Kabul, Afghanistan 01/2019 – 10/2020

- Supervised operations of a 26 MW power generation facility and medium-voltage electrical distribution system supporting U.S. Embassy Kabul mission-critical infrastructure, ensuring continuous electrical reliability for diplomatic and security operations.
- Managed power plant operations, electrical distribution systems, fuel systems, and critical infrastructure equipment, ensuring compliance with U.S. Department of State operational standards and overseas contingency program requirements.
- Certified in USACE Construction Quality Management for Contractors (CQM-C 784) and EM 385-1-1 Safety and Health, supporting compliance with federal construction and safety management standards.
- Directed teams responsible for power generation, fuel storage systems, electrical distribution equipment, mechanical systems, and control systems, maintaining operational readiness and reliability.
- Implemented Environmental, Health, Safety, and Quality Assurance (EHSQ) programs, ensuring strict adherence to OSHA, EM 385-1-1, and government safety regulations.
- Monitored energy consumption, power generation performance, and electrical system efficiency, providing engineering recommendations to improve compound energy resilience and sustainability.
- Led emergency response operations for critical power outages, coordinating troubleshooting and restoration of electrical services in high-risk operational environments.
- Oversaw calibration, diagnostics, troubleshooting, and repair of mechanical, electrical, and pneumatic control systems, ensuring optimal performance of mission-critical infrastructure.
- Interpreted technical work orders, engineering drawings, equipment manuals, and operating procedures to schedule maintenance activities and guide technical staff.
- Developed preventive and corrective maintenance programs for power generation and distribution equipment, reducing equipment failure rates and improving system reliability.
- Determined work schedules, task sequencing, and workforce assignments based on operational priorities, equipment condition, and personnel skill levels.
- Conducted site safety inspections and operational audits, identifying unsafe conditions and implementing immediate corrective actions and process improvements.
- Coordinated closely with U.S. Department of State Bureau of Overseas Buildings Operations (OBO) on commissioning, infrastructure upgrades, and integration of new engineering systems.
- Participated in budget development, capital expenditure planning, procurement oversight, and cost management for utilities infrastructure and maintenance operations.
- Led technical training programs for utilities personnel, improving workforce capability in equipment operation, maintenance procedures, and troubleshooting techniques.

DynCorp International High Voltage Power Generation Forema US Army Garrison – Kwajalein Atoll, Republic of the Marshall Islands (OCONUS) IAP Worldwide Services / DynCorp Contract Transition
08/2018 – 01/2019

- Supervised **high-voltage power generation operations** supporting U.S. Army Garrison Kwajalein Atoll critical infrastructure, ensuring continuous electrical power reliability for base operations and mission-critical systems.

- Served as **Lead Plant Operator and Control Room Operator**, directing power plant personnel responsible for **diesel power generation systems, electrical distribution equipment, and plant operations**.
- Maintained and monitored **Intrepid SCADA control systems**, tracking plant parameters, system performance, and electrical load conditions to ensure safe and efficient power plant operation.
- Managed operations and maintenance of **diesel power generation equipment**, including **Caterpillar C280 generators, AC alternators, electrical controls, switchgear, and auxiliary mechanical systems**.
- Conducted **preventive maintenance (PM), diagnostics, and troubleshooting** of power generation equipment to maintain system reliability and operational readiness.
- Performed **emergency repairs and rapid response maintenance**, restoring power generation capability following equipment failures or operational issues.
- Executed **high-voltage system monitoring and operational control**, ensuring proper load balancing and stable electrical distribution across the installation.
- Performed **power generation load calculations and electrical demand analysis** to properly size and operate generators for efficient plant performance.
- Conducted **technical inspections, operational audits, and performance evaluations** for diesel generators and auxiliary equipment, ensuring compliance with operational standards.
- Maintained **power plant documentation, equipment logs, and system performance reports**, supporting operational transparency and maintenance planning.
- Supported **safety and compliance programs**, maintaining adherence to **OSHA safety standards and EM 385-1-1 Safety and Health requirements**.
- Ensured proper implementation of **standard operating procedures (SOPs), electrical safety protocols, and operational procedures** for plant personnel.
- Provided **technical leadership and workforce supervision**, mentoring operators and technicians on plant operations, troubleshooting techniques, and preventive maintenance procedures.

KBR **Power Generation Foreman** Camp Redleg UAE 01/2018–03/2018

- Supervised **power generation operations and maintenance activities** supporting **U.S. military infrastructure and contingency operations** at Camp Redleg.
- Directed **preventive and corrective maintenance programs** for diesel power generation systems ranging from **6 kW to 1000 kW**, ensuring reliable electrical power for mission-critical facilities.
- Managed the **installation, removal, relocation, and operational setup of generators**, coordinating equipment movement between operational sites and maintenance facilities.
- Provided advanced **troubleshooting, diagnostics, and rebuilds of diesel generator engines**, including **AC alternators, DC electrical systems, electronic control modules, and programmable logic control systems**.
- Maintained and repaired **power generation equipment from multiple manufacturers**, including **FG Wilson, Caterpillar, Volvo, Cummins, SDMO, AKSA, and military MEP generator systems**.
- Conducted **electrical system inspections, wiring diagnostics, and component replacement**, ensuring generators operated within manufacturer specifications and operational safety standards.
- Implemented **preventive maintenance schedules and equipment service programs**, improving generator reliability and minimizing unplanned outages.
- Monitored **generator performance, load distribution, and system functionality**, supporting stable power supply for operational facilities.
- Ensured strict compliance with **safety procedures, electrical safety standards, and operational protocols** during maintenance and generator operations.
- Maintained **maintenance documentation, equipment service records, and operational reports**, supporting accountability and equipment lifecycle management.
- Provided **technical leadership and workforce supervision**, mentoring technicians and generator mechanics in troubleshooting procedures, maintenance standards, and operational best practices.

Louis Berger **Power Plant Senior Technician & Operator** Al Asad Air Base, Iraq | 04/2017–12/2017

- Served as **Lead Power Plant Operator and Senior Technician** for a **6 MW diesel power generation facility**, ensuring reliable electrical power for **U.S. military base operations and mission-critical infrastructure**.
- Operated and maintained **10 stationary diesel engine-driven generators (3-phase / 60 Hz / 4160V)** supporting base-wide electrical distribution and utility systems.
- Directed **power plant operations, maintenance planning, and equipment reliability programs**, ensuring continuous electrical power availability and system performance.
- Managed and coordinated **service technicians and maintenance teams**, ensuring quality workmanship, operational efficiency, and adherence to safety and performance standards.
- Developed and implemented **preventive maintenance (PM) and corrective maintenance programs** for diesel generators, electrical distribution equipment, and auxiliary mechanical systems.
- Oversaw **power generation projects and system upgrades**, managing projects of varying size and complexity involving **electrical infrastructure, generator systems, and plant equipment**.
- Created and managed **maintenance budgets, labor forecasting, and parts inventory planning**, optimizing operational costs while maintaining equipment readiness.
- Developed **work schedules and workforce allocation plans** to ensure efficient staffing and timely completion of maintenance and repair activities.

- Generated **service-related revenue and operational productivity metrics**, supporting efficient service delivery and improved plant performance.
- Reviewed **engineering drawings, technical specifications, and electrical system documentation** to verify proper installation and operation of power generation equipment.
- Developed and implemented **Standard Operating Procedures (SOPs), operational policies, and code compliance procedures** for plant operations and electrical systems.
- Implemented and managed **Electrical Utility Quality Assurance and Safety Programs**, ensuring compliance with **OSHA, electrical safety standards, and operational risk management procedures**.
- Conducted **technical training and workforce development programs**, improving technician capability in generator maintenance, troubleshooting, and plant operations.
- Monitored **power plant performance metrics, load balancing, and electrical system reliability**, ensuring optimal plant efficiency and operational continuity.

Florida Detroit Diesel Allison Power **Production Supervisor** Miami, Florida 01/2017–04/2017

- Supervised **power generation service operations**, managing the **installation, replacement, and commissioning of diesel and standby generator systems** for commercial and industrial clients.
- Coordinated **field service operations**, including manpower planning, equipment logistics, material procurement, and **service technician assignments** to ensure efficient project execution.
- Managed **scheduled power outages and generator change-outs**, ensuring proper coordination, safety compliance, and minimal operational disruption for customers.
- Verified **work completion, quality assurance standards, and safety compliance**, ensuring all installations and repairs met company policies and industry best practices.
- Supported **customer service operations**, assisting service advisors in resolving technical issues and **customer complaints** while maintaining high service satisfaction levels.
- Developed and managed **shop operating budgets**, controlling labor, equipment, and material costs to achieve **profit margin targets and financial performance objectives**.
- Established **performance metrics and work standards** to evaluate technician productivity, workmanship quality, and operational efficiency.
- Supervised and mentored **service technicians and field personnel**, ensuring adherence to **maintenance procedures, safety protocols, and technical service standards**.
- Coordinated **preventive maintenance and repair schedules** for generator systems and associated mechanical and electrical components.
- Managed **maintenance planning, labor allocation, and parts inventory budgets**, improving operational efficiency and cost control.
- Ensured **quality delivery of field service operations**, maintaining strong communication between technicians, management, and customers to support timely project completion.

Sallyport **Power Production Superintendent** Balad, Iraq 03/2016–01/2017

- Directed **power generation operations and maintenance programs** supporting **U.S. military base infrastructure**, ensuring continuous electrical power reliability for mission-critical facilities.
- Led and supervised a **multinational workforce of 20 power generation technicians and operators**, coordinating daily plant operations, maintenance scheduling, and technical troubleshooting activities.
- Managed **fleet operations of 20 Caterpillar Prime Power diesel generators and more than 280 generators and light sets ranging from 5 kW to 1.8 MW**, ensuring stable electrical power generation and distribution.
- Implemented and managed **preventive maintenance (PM) and corrective maintenance programs** for diesel power generation equipment, electrical distribution systems, and supporting mechanical infrastructure.
- Oversaw the **full project lifecycle for maintenance and infrastructure improvements**, including planning, quality assurance, performance monitoring, and operational execution.
- Developed and implemented **Standard Operating Procedures (SOPs), job plans, service schedules, technical guides, and safety documentation**, ensuring compliance with operational standards and risk mitigation practices.
- Directed **power plant reliability and load management operations**, monitoring electrical loads, generator performance, and system efficiency to maintain stable power distribution across the installation.
- Conducted **daily operational monitoring and fuel usage analysis**, optimizing generator load balancing and improving fuel efficiency across the power generation fleet.
- Performed **root cause analysis and failure diagnostics** on power generation equipment to identify mechanical and electrical issues and implement corrective solutions.
- Implemented enhanced **Quality Assurance (QA) and Quality Control (QC) procedures** to improve maintenance standards, equipment reliability, and operational readiness.
- Coordinated **maintenance planning, workforce assignments, and operational scheduling**, ensuring timely completion of repairs and maintenance activities.
- Delivered **technical training and regulatory compliance instruction** to personnel, improving workforce capability in equipment maintenance, safety protocols, and operational procedures.
- Maintained **equipment maintenance records, operational logs, and performance reports**, supporting accountability and equipment lifecycle management.
- Enforced **safety management practices and operational risk mitigation**, ensuring adherence to safety procedures and operational best practices in a high-risk operational environment.

- Managed **utilities operations and infrastructure systems** supporting resort facilities, including **electrical power generation, medium-voltage distribution systems, boiler plants, and auxiliary diesel generators**.
- Oversaw **operation, maintenance, and reliability of electrical power generation systems**, ensuring continuous service for facility operations and critical infrastructure.
- Supervised **preventive and corrective maintenance programs** for **diesel generators, electrical distribution equipment, and mechanical utility systems**.
- Managed **10 commercial boiler systems** supporting the resort's **domestic hot water and heating infrastructure**, ensuring system reliability and energy efficiency.
- Directed **electrical system upgrades and facility expansion projects**, coordinating engineering teams, contractors, and technical personnel to support infrastructure improvements.
- Provided **project management oversight for two MT Gas Turbine 250 kW generators**, supporting installation, commissioning, and operational performance monitoring.
- Coordinated **electrical distribution system operations**, including medium-voltage equipment inspections, troubleshooting, and system optimization.
- Implemented **preventive maintenance strategies and reliability-centered maintenance programs** to reduce downtime and improve operational performance of utilities systems.
- Managed **technical personnel and contractors**, assigning work orders, coordinating maintenance activities, and ensuring compliance with safety and operational procedures.
- Supported **capital improvement projects and electrical infrastructure expansion**, ensuring alignment with engineering specifications and project schedules.
- Maintained **utility system documentation, equipment logs, and maintenance records**, ensuring regulatory compliance and operational readiness.
- Ensured adherence to **safety regulations, operational standards, and facility maintenance procedures** during all utilities and infrastructure operations.

Centerra LLC **Utilities Manager** US Navy Support Facility Diego Garcia, BIOT 03/2015 – 08/2015

- Directed **utilities operations and power generation systems** supporting **U.S. Navy Support Facility Diego Garcia**, ensuring continuous electrical power reliability for mission-critical base infrastructure.
- Managed **power generation, medium-voltage electrical distribution, and auxiliary diesel generator departments**, overseeing diverse equipment including **opposed-piston diesel engines, synchronous generators, and renewable energy systems such as solar water heating panels**.
- Supervised **operations, maintenance, and reliability programs** for base power generation infrastructure, ensuring compliance with **government operational standards and safety requirements**.
- Developed and managed **plant operating budgets**, implementing cost-control strategies to optimize operational efficiency and reduce utilities operating expenses.
- Successfully **bid and secured a \$6.3M generator overhaul contract** to refurbish **14 Fairbanks Morse diesel generators**, improving long-term reliability and infrastructure performance.
- Led **power plant maintenance planning and capital improvement initiatives**, ensuring equipment upgrades and generator overhauls were completed in accordance with engineering specifications.
- Developed and implemented **power generation contingency planning**, improving **backup power capabilities and emergency response readiness** through deployment of mobile generator solutions.
- Monitored **diesel generator performance and electrical system load conditions**, implementing operational improvements to maintain stable power distribution across the installation.
- Managed **technical personnel and power generation crews**, providing training, mentoring, and supervision to ensure safe operation, troubleshooting, and maintenance of electrical infrastructure.
- Implemented **preventive and corrective maintenance programs** for diesel generators, electrical systems, and auxiliary plant equipment to maximize system uptime and reliability.
- Coordinated **utilities infrastructure projects, maintenance scheduling, and operational planning** to ensure uninterrupted electrical service to critical facilities.
- Maintained **technical documentation, maintenance records, and operational reports**, ensuring accountability and compliance with operational requirements.

Entegee Engineering Technical Group **Delivery & Execution Project Manager - Strategic Accounts** Contracted to Cummins Power Generation Corp. New Hope, Minnesota | 03/2013 – 04/2014

- Managed **end-to-end project delivery of large-scale diesel power generation systems** supporting **critical data center infrastructure** for strategic enterprise clients.
- Directed the **deployment of 64 three-phase, 60 Hz stationary diesel engine-driven generators**, ensuring successful integration into **four mission-critical data center facilities**.
- Oversaw **project lifecycle management**, including **scope definition, resource allocation, scheduling, risk management, and issue resolution** to ensure projects met performance, budget, and timeline objectives.
- Coordinated cross-functional teams including **engineering, manufacturing, logistics, installation contractors, and commissioning personnel** to support complex power generation deployments.
- Managed **strategic client relationships**, acting as the primary interface between **Cummins Power Generation, engineering teams, contractors, and enterprise data center customers**.
- Developed and executed **stakeholder communication plans**, ensuring transparent reporting of **project milestones, risks, and deliverables** to executive leadership and technical teams.
- Monitored **generator system installation, commissioning, and operational readiness**, ensuring compliance with **engineering specifications, safety standards, and customer requirements**.
- Coordinated **supply chain and logistics activities** for generator delivery, equipment staging, and installation across multiple project locations.

- Implemented **project tracking and reporting systems**, providing regular updates on **progress, schedule adherence, budget performance, and operational risks**.
- Led **problem resolution and change management processes**, addressing project scope changes, technical challenges, and operational constraints.
- Ensured compliance with **industry standards for electrical power systems, mission-critical infrastructure, and data center reliability requirements**.

Fluor-FGG, Inc. **Power Generation Manager** US Army Sustainment Command FOB Salerno Afghanistan 01/2009 – 03/2013

- Directed **power generation operations and maintenance (O&M)** supporting **U.S. Army Sustainment Command mission operations** under **LOGCAP IV Task Order 05**, ensuring continuous electrical power for **Forward Operating Base (FOB) Salerno Area of Responsibility (AOR)**.
- Managed operations of a **power plant consisting of eight 2.5 MW diesel engine-driven generators (3-phase / 60 Hz)** and associated **medium-voltage electrical distribution systems, switchgear, and auxiliary equipment**.
- Oversaw **fleet management and maintenance of 1,375 auxiliary diesel generators**, ensuring reliable power generation and electrical distribution across the installation.
- Supervised a **multinational workforce of 40 Third Country Nationals (TCNs) and 10 expatriate technicians**, providing leadership, technical training, and operational oversight for power generation and electrical maintenance teams.
- Implemented **preventive and corrective maintenance programs** for power generation equipment, electrical distribution infrastructure, and support systems to maximize reliability and reduce operational downtime.
- Managed **daily plant operations, electrical load monitoring, and power system performance**, ensuring stable power distribution to mission-critical facilities.
- Enforced **environmental, health, safety, and quality (EHSQ) compliance programs**, maintaining adherence to **U.S. military safety standards, OSHA requirements, and environmental regulations**.
- Reviewed **engineering drawings, electrical schematics, and technical documentation** to verify proper installation, construction standards, operating procedures, and regulatory compliance.
- Coordinated **generator installations, replacements, and infrastructure upgrades**, ensuring successful integration of new equipment into the base power grid.
- Established strong **cross-functional communication with military leadership, contractors, engineers, and logistics teams** to support seamless execution of utilities operations.
- Implemented **power generation contingency planning and operational risk mitigation strategies**, ensuring mission readiness and continuous power availability.
- Maintained **operational records, maintenance logs, and performance reports**, supporting accountability, compliance, and equipment lifecycle management.

Continued Employment

Power Generation Foreman | KBR FOB Orgun | Afghanistan | 03/2008 – 11/2009 O&M Supervisor | DynCorp International | Iraq & Afghanistan | 10/2006 – 03/2008 Power Generation Foreman | KBR | Camp Taji | Iraq | 03/2005 – 09/2006

Power Generation Foreman | KBR | USMI Camp Babylon | Iraq | 03/2003 – 03/2005 Power Systems Superintendent | ITT Systems | Qatar | 01/2003 – 03/2003

Maintenance Supervisor-EDG Services | Burns & Roe Service | US Naval Station Cuba | 01/2002 - 01/2003

Power Plant Maintenance | Raytheon Range Systems | location | 02/2001 – 12/2001 Junior Engineering | Chevron Shipping Company & Tidewater Marine | Alaska | 1994 – 1998