

Stephen R. McCurdy

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Site Management, Diesel Power Generation, and Utilities Management expert with over 20 years of experience driving optimal performance across diverse organizations including 15+ years on international assignments. Successful record of managing complex projects and programs with near-zero downtime. Built and managed multi-national workforce up to 20 different nationalities.

Provided management expertise and oversight in the operation, maintenance, and repair of the central energy plant (CEP). Manage CEP and supporting department's workload activities and employees, guide the O&M team in the preventative maintenance, operations, engineering systems improvements, equipment replacement, utility usage, and long-term efficiency of Boilers, Chillers, Generators, Power Distribution System, and HVAC System's

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

SKILLS & EXPERTISE

- Site Management
- 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 HIGHLIGHTS

Managed Program Environmental, Safety, Health, and Quality Assurance requirements, commissioned MW power station, critical power systems, and medium voltage distribution systems.

Recognized for excellent strategic planning to identify and address subpar operations, increase productivity, cut costs, and implement quality improvement to enhance performance, compliance, and stakeholder satisfaction.

Demonstrated ability to manage, motivate, and build cohesive teams to achieve results, utilizing exemplary leadership and communication skills.

Managed power generation, control room, various size generators (Cat c-280), (CAT 3512), (CAT 3516), Cummins QSK60, KTA50G3, KTA50G9, MTU20V400G24F, MTU 20V4000G34F, Alternators CAT 1MV, 24vDC to 15kVAC power generation-distribution grid, GE and Siemens systems, PLC and electronic controls, switchgear, step-up and step-down transformers, substations, fusible switches, SCADA system, and automatic transfer switches.

PROFESSIONAL EXPERIENCE

Cascade Contracting & Services, LLC. 4/2025 to present Project Coordinator Kwajalein Us Marshall Islands

U.S. Army Corps of Engineers (USACE) FY22 RDTE Repair Fuel Systems POL Lines and ASTs at Poi-Namur

- Supported daily coordination efforts between contractors, subcontractors, suppliers, and project managers.
- Managed all Man Camp Billeting, Operations and Maintenance.
- Managed all Mail Operations Shipping and Receiving.
- Assisted with scheduling, logistics, and communication across project stakeholders.
- Managed, organized, and maintained accurate project documentation including meeting minutes, status updates, and contract deliverables.
- Prepared and submit routine and ad-hoc reports related to project milestones and compliance.

Contract & Procurement Support:

- Tracked and maintain records of purchase orders, contract modifications, and submittals.
- **Coordinated procurement requests, material tracking, and invoice reviews in collaboration with procurement staff.**

Budget & Cost Tracking:

- Supported tracking of project budgets and expenditures.
- Assisted with financial reconciliations and ensure proper documentation for audit readiness.

Compliance Oversight:

- Ensured all project activities comply with federal regulations, local laws, and contractual obligations. Assisted in monitoring environmental, safety, and quality compliance requirements.

Nika Solutions USCG Base Kodiak, Alaska (Boss) 5/20/2024 to 4/2025

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 70Z08423RKODI0001

- Develop Quality Control Plan and Implemented QCP and implemented USCG Base training program for the Quality Control Program.
- Coaches, mentors and trains entire project staff in quality management principles, procedures and project-specific requirements.
- Responsible for leading and managing quality processes such as work planning, pre-activity meetings, material management, Quality Incident Reports, Lesson Sharing and follow-up inspections.
- Established, monitors and reports on Key Performance Indicators (KPIs), as well as QIRs for project teams to ensure continuous improvement. Analyzes project KPIs, evaluates trends and provides improvement strategies.
- Established audits project quality programs seeking continuous improvement utilizing Project QC Evaluation and other auditing tools. Provides feedback to Operations and Quality Management of major QIRs, project team relationships, owner/client perceptions, and overall quality management recurring non-conformances.
- Managed inspection, testing and documentation of the works. Schedules inspection and testing with coordination between operations, consultants, material laboratories and Client.
- Created and implements project specific inspection and test plans, quality control plans and other procedures as necessary. Additionally, supports material specification review such as concrete mix design, thermal control and other quality specialized elements.
- Responsible for risk management strategy that helps projects improve profitability by reducing risk and improving efficiency via process management and risk mitigation.
- Maintains relationships with owners, Clients, subcontractors, design partners and stakeholders to support project partnering and issue resolution

MBP 2600 Park Tower Drive Suite 801 Vienna, 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

\$400,690,757 firm-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).

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

US Core Engineers US Army Core Engineers Safety and Health EM385

Managed on-site supervision and inspection of construction and environmental activities on assigned projects.

Reviewed plans and specifications during final design and/or bidding phase paying special attention to existing field conditions at the time of review and prepares comments for possible changes to plans and specifications.

Conducted pre-construction conferences in the direction of the Resident Engineer.

Reviewed and evaluates contractor's safety program for consistency with requirement of EM 385-1-1 and ensures strict enforcement of safe practices and safety program at the assigned project site.

Managed problems largely on own initiative and acts independently to perform quality assurance and safety assurance functions but keeps supervisor apprised on any controversial issues and/or policies of an unusual nature.

Reviewed work in the form of reports, correspondence, etc., that are referred to the supervisor for signature.

Supervised the overall construction management process, including, under minimal supervision, establishing budget and contract constraints, performing inspections, and coordinating with design and other support staff.

Independently assesses existing site conditions and evaluate customers' requests to develop scopes of work.

Electric Controller Leader/Quality Assurance Manager

Managed Powerhouse Operators, High Voltage Technicians, and Preventive Maintenance (PM) programs to ensure safe and efficient operations.

Led quality assurance, safety, and commissioning projects for powerhouses and wind farms while ensuring compliance with NAVFAC, OSHA, and EM385 safety standards.

Supervised crews in troubleshooting and repairing high-voltage cable systems, including diagnosing shorts, electrolysis damage, capacitance imbalances, and cable breaks.

Oversaw high-voltage electrical inspections, repairs, and maintenance to ensure compliance with federal, state, and local regulations.

Developed and implemented work methods and safety procedures to maintain crew safety and operational efficiency.

Created and reviewed electrical switching plans using single-line diagrams and load data to safely reroute and distribute power.

Controlled and monitored transmission and distribution substation systems, ensuring proper operation of equipment such as transformers, breakers, and disconnects.

Coordinated emergency and non-emergency responses, dispatching personnel and equipment as needed to maintain uninterrupted power supply.

Maintained logs and system reports through the Energy Management System (EMS), tracking power outages, system performance, and equipment status.

Ensured safe switching operations, including writing and reviewing switching orders, managing permit and barrier systems, and implementing lockout/tagout (LOTO) procedures.

Certifications & Training:

U.S. Army Corps of Engineers – QC Management for Contractors (784)

U.S. Army Corps of Engineers – Safety and Health (EM385)

High-Voltage Electrical Safety & Switching Operations

OSHA Compliance & Risk Management

Technical Skills & Expertise:

High-Voltage Systems (Transmission & Distribution, Substations, Switchgear)

Energy Management Systems (EMS) & Load Balancing

Power Grid Operations, Outage Management & Emergency Response

Electrical Troubleshooting & Preventive Maintenance (PM)

SCADA & Electrical Control Systems

Lockout/Tagout (LOTO) & Switching Procedures

Regulatory Compliance (NAVFAC, OSHA, EM385, NFPA 70E, NEC, IEEE Standards)

American Systems Group 02/17/2023 to 8/20/2023 QA Construction Engineering Technician –

OCONUS – NAVSTA Guantanamo Bay, Cuba

Direct Engineering Technician Support to ASG Seaport NxG Contract N0017819D7175 – Task Order - N N6945021F3002 in NAVSTA Guantanamo Bay, Cuba.

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

US Core Engineers US Army Core Engineers Safety and Health EM385

Reviews plans and specifications during final design and/or bidding phase paying special attention to existing field conditions at the time of review and prepares comments for possible changes to plans and specifications.

Conducts pre-construction conferences in the direction of the Resident Engineer.

Manages on-site supervision and inspection of construction and environmental activities on assigned projects.

Reviews and evaluates contractor's safety program for consistency with requirement of EM 385-1-1 and ensures strict enforcement of practices and safety program at the assigned project site.

Worked out problems largely on own initiative and acts independently to perform quality assurance and safety assurance functions but keeps supervisor apprised of any controversial issues and/or policies of an 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

Managed Overall Branch Operations to ensure Safety, Productivity, Customer Service and Profitability.

Prepared and Managed WIP reports, including profit and loss statements, monthly operating reviews, yearly budgets, and generator renewal pm maintenance contracts. CUP Manager

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

Managed operations, maintenance, and repairs of the Central Energy Plant (CEP), including boilers, chillers, generators, power distribution, and HVAC systems to ensure optimal performance and reliability.

Supervised workload activities and employees, directing the Operations & Maintenance (O&M) team in preventative maintenance, equipment replacement, utility usage analysis, and engineering system improvements.

Oversaw and reviewed service orders, ensuring timely, accurate, and effective completion while preparing monthly reports to track work order completion percentages for invoicing government agencies.

Ensured contract compliance and performance quality, conducting frequent Quality Control (QC) inspections, initiating and overseeing corrective and preventative actions in support of the QC program.

Solicited and managed service contracts, overseeing maintenance work and ensuring timely completion while optimizing efficiency and cost-effectiveness.

Investigated equipment failures and operational issues, diagnosing faulty operation and implementing solutions to minimize downtime.

Maintained and updated building files, drawings, and maintenance records, ensuring regulatory compliance and operational readiness.

Planned and directed long-range activities, effectively managing maintenance operations to execute scheduled and unscheduled maintenance in accordance with the project work scope and regulatory requirements.

Assigned work orders and reviewed corrective and preventative maintenance documentation to ensure proper execution and record-keeping.

Certifications & Training:

U.S. Army Corps of Engineers – QC Management for Contractors (784)

U.S. Army Corps of Engineers – Safety and Health (EM 385-1-1)

NAVFAC Construction Quality Management (CQM) Certification

OSHA 30-Hour Construction Safety Certification

Technical Skills & Expertise:

Central Energy Plant (CEP) Operations & Maintenance

Boilers, Chillers, Generators, HVAC & Power Distribution Systems

Preventative & Corrective Maintenance Strategies

Contract Compliance & Quality Control Inspections

Engineering System Improvements & Utility Optimization

Regulatory Compliance (OSHA, EM 385-1-1, NAVFAC Standards)

Service Order Management & Government Invoicing

Workforce Supervision & Performance Management

Failure Diagnosis & Equipment Performance Optimization

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

Project: 8MW Power Plant for the United States Air Force on the AFCAP IV contract. • 11kV distribution system with five 11KV feeders and MV 600A 4-way switched disconnect switchgear/feeder.

Managed the installation, commissioning, operations, and maintenance of an 8MW power plant, including an 11kV distribution system with five 11kV feeders and MV 600A 4-way switched disconnect switchgear.

Served as Site Manager, Quality Control Manager, Safety Manager, and Property Control Manager, ensuring adherence to contract requirements and operational excellence.

Oversaw daily O&M activities, personnel management, and service operations, ensuring quality, efficiency, and compliance with contractual obligations.

Implemented and enforced Environmental, Health, and Safety (EHS) practices, procedures, and techniques, ensuring compliance with OSHA, EM 385-1-1, and military safety regulations.

Managed property control and inventory, developing and maintaining a Property Control Plan to track and safeguard government-furnished equipment (GFE) and contractor-acquired property (CAP).

Conducted daily quality control (QC) inspections on civil engineering construction, ensuring compliance with design specifications, engineering standards, and safety regulations.

Provided daily quality control and progress reports to the prime contractor, ensuring transparency, accountability, and adherence to the project schedule.

Coordinated logistics and supply chain support services, ensuring timely procurement, inventory control, and material readiness uninterrupted operations.

Key Achievements:

Successfully led the installation and commissioning of the 8MW power plant, ensuring timely completion and compliance with U.S. Air Force standards.

Developed and enforced strict quality assurance and safety protocols, reducing operational risks and ensuring project milestones were met without delays.

Streamlined logistics and supply chain operations, improving efficiency in procurement and inventory management

Certifications & Training:

U.S. Army Corps of Engineers – QC Management for Contractors (784)

U.S. Army Corps of Engineers – Safety and Health (EM 385-1-1)
OSHA 30-Hour Construction Safety Certification
NAVFAC Construction Quality Management (CQM) Certification
Technical Skills & Expertise:
Power Plant Operations & Maintenance (O&M)
11kV Distribution Systems & Switchgear Management
Environmental, Health & Safety (EHS) Compliance
Property Control & Inventory Management
Construction Quality Control (QC) Inspections
Logistics & Supply Chain Coordination
Site & Personnel Management
Project Commissioning & Reporting

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

Oversaw management of the 26 MW power station, critical power systems, and medium voltage distribution system.

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Responsible for maintaining a safe workplace and complying with all Program Environmental, Safety, Health, and Quality Assurance Requirements. Monitored energy efficiency and analyzed system performance to provide engineering recommendations to improve compound sustainability and resiliency. Responded to critical service (power) outages and effected service restoration in a safe and expedient matter.

Managed and oversaw the operation, calibration, diagnostics, troubleshooting, and repair of all mechanical and electrical equipment systems and electric/pneumatic control systems on-site. Interpreted work orders and associated specifications, operating manuals/procedures, and technical publications to properly schedule work and provide advice to workers.

Determined schedules, sequences, and assignments for work activities, based on work priority, type of utility services, and skill of personnel. Monitored work locations to detect unsafe work conditions and implemented on-the-spot corrections and process improvements as required.

Key Achievements:

Served as liaison with State Department's Bureau of Overseas Buildings Operations on commissioning and operational integration of ongoing and future engineering projects.

Participated in budget preparation, capital expenditure reviews, purchasing, and monitoring expenditures.

Arranged and conducted worker training in utilities operational procedures, equipment use, and repair and maintenance techniques.

DynCorp International **High Voltage Power Generation Foreman** US Army Garrison Kwajalein Atoll Republic of Marshall Islands 08/2018 – 01/2019

IAP High Voltage Power Generation Foreman Kwajalein Atoll Republic of Marshall Islands Contract changeover to DynCorp 03/2018 – 08/2018
Lead plant operator, lead floor operator and served as control room/floor operator when needed. Maintained Intrepid SCADA system and drawing and plant parameters.

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Conducted audits and submitted reports on diesel generators and auxiliary equipment. Performed emergency repairs on Cat C280 generator.

Key Achievements:

Utilized in-depth knowledge and ability to perform maintenance on power generation equipment to include engine, Alternating Current (AC) alternators, electronic controls, electrical wiring, and accessories. Performed load calculations to properly size power generators for power plant operations.

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

Performed preventive maintenance services and repairs on 6-kW to 1000-kW generators involving installation and removal operation of generators from locations to power generation shops. Troubleshot and rebuilt engines, alternate current (AC) systems, direct current (DC) systems, electronic control systems, and other program logic controls, electrical wiring, and accessories.

Maintained all types of power generation equipment including FG Wilson, Caterpillar, Volvo, Cummins, SDMO, AKSA, MEPs, and other military design generators.

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

Lead maintenance and plant operator of a 6mw electric-driven diesel power plant.

Managed, developed, and implemented projects of varying complexity and size in the delivery of 10 - 3phase/60 Hz/4160V stationary diesel engine-driven electrical power generation systems.

Coordinated and supervised the overall delivery of quality performance by service technicians.

Developed maintenance, labor, and parts budgets.

Created work schedules and maintained accounting of productivity.

Provided employee training and development.

Generated service-related revenue scheduling and performed timely repairs for the power plant.

Reviewed engineering documents for power generation and electrical utility systems for proper construction.

Developed and implemented standard operating procedures, policies, and code compliance.

Developed and provided. Oversight of electrical utility quality assurance and safety program.

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

Managed installation and replacement of generators: manpower, supplies, service technician assignments, verification of work completion and safety requirements, scheduling of outages. Assisted service advisors in resolving customer complaints. Developed and set budgets for shop costs to achieve margin objectives and budgets. Established work standards to assess service technician performance. Coordinated and supervised the overall delivery of quality performance by service technicians. Developed maintenance, labor, and parts budgets.

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

Orchestrated a multinational team of 20 in daily operations. Planned and led preventative and reparative maintenance initiatives. Managed full implementation and quality project lifecycle. Oversaw 20 Prime Power Caterpillar diesel generators and 280 generators and light sets ranging from 5 kw to 1.8 mw. Drafted and established Standard Operating Procedures, service schedules, job plans, desktop guides, and safety forms to ensure all standards met and hazards identified and prevented.

Key Achievements:

Implemented modified quality control and quality assurance procedures to enhance the level of maintenance.
Conducted regulatory training to ensure all personnel was knowledgeable of all policies and procedures.
Performed fuel usage studies and monitored loads daily on all equipment to optimize the grid and yield fuel savings.
Conducted root cause analysis to identify, isolate, and remediate ongoing and emergent equipment issues.

Alyeska Resort & The Hotel Alyeska **Utilities & Project Manager** Girdwood, Alaska
10/2015 – 03/2016

Managed electrical power generation and distribution, medium voltage, and auxiliary diesel generator maintenance for 10 hotel boilers directly supporting the hot water system for the resort. Provided project management oversight of two MT Gas Turbine 250kw generators. Directly supported resort electrical expansions and projects.

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

Managed electrical power generator, medium voltage, auxiliary diesel generator departments with an array of diverse equipment including opposed-piston engines synchronous generators, and solar water panels. Managed and developed plant budgets focused on controlling costs.
Successfully bid and received the award to overhaul 14 Fairbanks Morse generators with a total award of \$6.3M.
Developed a robust contingency plan while monitoring a diesel generator operation. Implemented progressive measures to achieve mobile generator capabilities. Trained and mentored power generation crews to maintain power generators and repair/replace them as needed.

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

Managed, developed, and implemented projects of varying complexity and size in the delivery of 643phase/60 Hz stationary diesel engine-driven electrical power generation systems into 4 data centers. Managed issues, scope, resources, and schedule. Created and executed communication plans for the unique needs of various stakeholders.

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

Provided oversight at LOGCAP IV Task Order 05 for US Military Operations & Maintenance Support, power generation operations, and maintenance for AOR Salerno. Supervised power plant containing eight engine-driven electrical generators rated 2.5 MW power at 3-phase/60 Hz and associated electrical equipment and switchgear systems.

Key Achievements:

Managed operations and maintenance of 1375 auxiliary diesel engine-driven electrical generators.
Supervised and mentored 40 Third Country Nationals and 10 Expatriates in power generation and electrical roles.
Provided oversight of environmental and safety programs.
Reviewed engineering documents for proper construction standards, operating procedures, and code compliance.
Achieved seamless installations and replacements by cultivating open and collaborative lines of communication.

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 | IIT 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