

Dear Sir/Madam,

It is with great interest and dedication that I submit my resume outlining my credentials for your review. I have 15+ years of experience in organizational management and administration, budget development, and personnel leadership in Government Municipality and Industrial Projects, Wastewater & Water, Oil & Gas, and Manufacturing with extensive knowledge in detailed engineering design, Procurement, and Construction projects.

Expert in management of electrical, SCADA, instrumentation systems and projects, and Facilities Management from an electrical engineering background, with invaluable managerial experience. Highly focused with comprehensive knowledge and understanding of various sectors. A consistent track record of successfully employing best business practices that improve efficiency and reduce operating costs whilst increasing productivity.

From preparing budgets, managing and maintaining assets to implementing reporting procedures, and hiring staff, my background has consistently been characterized by my steadfast commitment to managing fiscal responsibility and achieving municipal objectives.

My proven ability to strategically define and meet goals, along with my communication and time management capabilities, position me ready to excel in future roles.

As evidenced in the enclosed resume my experience encompasses project management, strategic planning, resource utilization, revenue growth, and cost reduction. My ability to analyze needs and create unique solutions designed to yield a profitable outcome has proven to be one of my greatest assets.

I would welcome the chance to discuss my qualifications with you in greater detail.

Thank you for your consideration.

Sincerely,

Hamid Reza Nikvan

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HAMID R. NIKVAN

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SUMMARY

Over 15 years of private and public operation and senior management experience, directly responsible to provide business and project development services, planning and implementing of the Capital Improvement Program, engineering services, maintaining client contacts, Operations and Maintenance, Project budgets and schedules, mentoring professional staff members, implementation of best management practices, preparation of technical specifications and public bidding documents.

A consistent track record of successfully employing best business practices that improve efficiency and reduce operating costs whilst increasing productivity by utilizing a Computerized Maintenance Management System (CMMS).

PROFILE

- Dedicated, self-driven, focused, and results-oriented professional who consistently overcomes complex business challenges and makes high-stakes decisions using experience-backed judgment, strong work ethic, and irreproachable integrity.
- Motivated and ambitious with excellent interpersonal communications, relationship management, organizational, and presentation skills.
- Skilled at building long-term relationships with all levels of professionals and individuals. Characterized as a visionary and strategist with exceptional competence in establishing personal and business goals. Able to identify and capture opportunities.
- Strong employee management and resource allocation skills.

SKILLS & QUALIFICATIONS

- Capital Improvement Planning (CIP), managing multiple projects and operation divisions
- Operations, Maintenance, Workforce management, and Organizational leadership and management
- Mentor professional staff members and implementation of best management practices
- Infrastructure and Construction projects bidding documents and specification development
- Improve efficiency and reduce operating costs whilst increasing productivity by utilizing a Computerized Maintenance Management System (CMMS)
- Asset Management, Work Order Management, and Inventory Management and implementation
- Procurement, negotiation, evaluation, contract award, and projects kickoff
- Contract, Vendor, Service provider, and stakeholder management
- Risk and Liability Mitigation
- Innovative Leadership, Strategic Planning, Budget Control, Capital and Process Improvements
- Designing, installing, startup, maintenance, repair, training, and modifying electrical, automation, SCADA, PLC, GIS, network, control system, and building automation.
- Civil, Pneumatic, Mechanical, and Construction design and management
- Building Automation, Fire & Gas Detections Systems, CCTV & Site Security systems
- HVAC Equipment, Plumbing Systems, and Water Supply Systems
- Inspection & Test Plan of electrical, control, and construction
- Power Distribution Transformers & MV Switchgear and UPS & Battery Charger
- Network and communication protocols, equipment, and Cyber Security
- OSHA Compliance and Safety Management

EXPERIENCE

City of Deerfield Beach, FL (Oct. 2020- Present)

Assistant Director of Environmental Services & Utilities

Under the general direction of the Director of Environmental Services. Responsible for planning, organizing, directing, and evaluating the assets, operations, budgets, and activities of the City's Water/Wastewater and Facilities Divisions to provide services to the public.

- Plans, assigns and directs through supervisors the operations and maintenance of water production and treatment, water distribution, wastewater collection, facilities maintenance, and other related public infrastructure.
- Manages the work of staff including coaching staff for improvement and development, training, assigning, reviewing, and evaluating work performance; coordinating activities, maintaining standards, allocating personnel, selecting new employees, acting on employee problems, and recommending and implementing employee discipline.
- Assists in the development, implementation, and evaluation of department plans, policies, and procedures to achieve annual goals and objectives.
- Assists in the development and oversees the implementation of divisional operating/capital budgets and establishes budgetary controls. Oversees and approves expenditures. Prepares financial forms and reports.
- Identifies and recommends long-range maintenance capital improvements and assists in the preparation of the five-year Capital Improvement Program budget. Facilitates and expedites project progress to ensure adherence to established schedules; keeps Director apprised of project status.
- Responsible for overseeing the delivery of Utilities Capital Improvement Projects such as, but not limited to, treatment plant upgrades, water lines, sewer lines, and contract administration. Serves as a project manager on utility projects of a complex nature.
- Preparation of scope of work for bids, provides recommendations for bid evaluation and award, negotiates and administers contract awards.
- Responsible for overseeing work necessary to maintain mechanical, electrical/electronic, plumbing, HVAC, and special systems including repair of interior fixtures, furnishings, SCADA, equipment, grounds, and exterior building maintenance to include lawn care, sprinkler system, parking lot, and exterior fixtures/finishes throughout the City.
- Provides interpretations of designs, plans, specifications, estimates, reports, and recommendations relating to City water and wastewater infrastructure.
- Coordinate Utility and Facilities Divisions' participation in the City's internal Development Review Board process.
- Acts as the department liaison with internal and external teams, committees, outside agencies (including local and state officials), the community, and other interested groups.
- Receives, reviews, prepares, and/or submits various records and reports including budget documents, purchase requisitions, purchase orders, bid documents, performance evaluations, invoices, flow charts, agenda items, work orders, personnel forms, memos, etc.
- Has full responsibility to follow, ensure compliance with, enforce and interpret Federal, State, and local laws, rules, and regulations as well as City policies and procedures. Implements and maintains Federal, State, and local mandates. Stays abreast of current developments in the industry which may affect City and/or department.
- Provides excellent customer service to both internal and external customers. Oversees public education and outreach programs, represents department, attends and/or facilitates public meetings, and assists other departments as required.
- Responsible for grant submittals, administration, and coordination.
- Attends and conducts meetings as required; writes reports and transmittal documents.
- Monitors the department's customer service request process to ensure effective and efficient service delivery.
- Receives and responds to public inquiries and requests for information and assistance and takes appropriate action to resolve problems.
- Initiates and carries out various projects as assigned by the Director of Environmental Services.
- Performs related duties as required.
- Considered essential personnel in the event of a natural disaster.

City of Deerfield Beach, FL (Jun. 2019- Sep. 2020)

Electrical, Automation & Facilities Operations Administrator

Direct and manage all maintenance and projects of more than 160 facilities over 400K sq. ft Citywide, and over 5M Operation and Capital Improvement budget. Responsible for all aspects of Facility Management Operations, Water Treatment plants, and Wastewater Collection Electrical and SCADA system assuring all equipment and systems are operating optimally at all locations Citywide.

- Prioritizing, engineering, design, management, and reporting of all projects for implementation
- Completion and approval of quarterly performance measurement review of direct reports.
- Accountability for all reports and track progress of activities for management and staff review.
- Manage and implement all preventative and corrective maintenance being performed on all assets including Facilities, Lift Stations, Wells, and Water Treatment Plant.
- Provide safety and health support to all personnel while establishing standards for safety in the workplace.
- Uses a work order management system to facilitate and manage internal work assignments and flow.
- Provide coaching and supervision to assigned staff.
- Oversee the implementation and development of the Computer Maintenance Management System (CMMS) application.
- Assists in providing technical support to various departments regarding requested repairs and improvements
- Manages, coordinates, and ensures resolution to all documented Facility Incident reports
- Oversee the company's Health, Safety & Environment strategy including workers' compensation and OSHA.
- Development of financial models that support management decision-making on capital investments and improvements.
- Prepared department budget and oversee the operating and capital expenditure budget.
- Drive continuous improvements in service levels, operating costs, energy & sustainability, quality, and safety.
- Prepared departmental Policies and Procedures.
- Display strong interpersonal skills to communicate effectively with colleagues, customers, and clients.
- Support the short- and long-term planning for the department including headcount, budgeting, training, and systems requirements.
- Lead project manager of Energy, Water, and Wastewater Performance Savings Contract to reduce energy usage and improve operational efficiency Citywide and implementation of building automation system.
- Coordinated all contracted services such as Electrical, HVAC, Plumbing, Generator, Automation, and all building services.

City of Deerfield Beach, FL (Oct. 2018- Jun. 2019)

Electrical and Electronics Superintendent

Responsible for the management and supervision of maintenance and repair of electrical, electronic, and Supervisory control and data acquisition (SCADA) equipment associated with water treatment plant, lift stations, lighting, facilities, etc. Full range of supervisory responsibilities for a variety of skilled and non-skilled employees engaged in preventive and reactive maintenance activities electrical, electronic, and SCADA system.

- Manages and assists in the maintenance and repair of electrical, electronic, SCADA systems, lift stations, lighting, facilities, etc.
- Plans, schedules, and directs preventative and corrective maintenance of a wide variety of electrical, electronic, and SCADA system
- Assigns, coordinates, and supervises personnel and materials required in the maintenance and repair of the treatment plant.
- Prepared Policies, Standard Operating Procedures (SOP), Memorandums, Requests for Proposals (RFP), and procurement documents.
- Attend contractor selection committees.
- Identify and resolve all regular and extraordinary maintenance and repairs required to ensure continuous and dependable water production and pumping for both regular and peak demand.
- Oversee the work of contractors with plant maintenance activities and operational considerations.
- Estimates cost and time for all aspects of maintenance, repair, and construction work.
- Analyzes equipment failures to determine the cause and to prevent recurrences.
- Installs, programs, maintains, troubleshoots, documents, and repairs a wide variety of industrial instrumentation which include computer systems, electronic monitoring, metering, controlling, signaling devices, PLC control systems, VFD control systems, SCADA system controls, fiber optic and Ethernet systems used in production, treatment and distribution of water.
- Design and implementation of work order management system and provide support on the integration of geographic information system (GIS) into CMMS system.
- Consults with the Utility Manager in planning workload and assignments.
- Manage the capital projects and budgets.

- Provides training to less experienced employees.

GBI Intralogistics Solutions (Jan. 2017- Present)

Electrical Control Systems Manager (Manufacturing Machinery Industry)

Responsible for Project Leadership and Management of working with mechanical automation systems and providing Electrical & Control Engineering projects, including PLCs and complex automation for sorting systems.

- Design, manage, develop and deploy machine control systems, PLC & HMI of Allen Bradley Control systems for sorter machine and industrial machinery.
- Project management, meet client expectations, manage field installation, manage project commissioning onsite, and project milestones.
- Implementation and development of Control systems, PLC programming, SCADA system, wire diagrams, I/O distribution, and Control Logic.
- Work on major camera scanners and sensors align, set, calibrate and debug.
- Customer support calls, debugging, remote repairs.
- Implement and develop Power Panel Design and wire diagrams.
- Control Panel Design & Control System Integration.
- Perform Testing & Client Operation Training.
- Control System Architecture and Design.
- Commissioning and Start-up.
- Control System Architecture and Design.
- System Design and Implementation Consulting and Review.

CDI Electronics (Jun. 2015 – Jan. 2017)

Electrical Design Engineer (Manufacturing Industry)

- Lead in project development from definition to/through first production and field support.
- Manage and coordinate multiple projects and Staff Supervision.
- Assist in obtaining Six-Sigma processes and ISO certification.
- Driving projects to completion including Developing PCB board design (using Altium), Schematics, Product specifications, Cost to design analysis, Bill of material (BOM), Tooling requirements, testing specifications, Definition of the manufacturing process, Work and test instructions, Packing requirements.
- Utilizing various quality tools to assist with identifying and resolving quality and process problems, 8-D, 5 Why, Pareto analysis, SPC, capability studies, FMEAs, etc.
- Gather and complete analyses of data obtained from various areas to be used in project development and assist with quality issues.
- Troubleshooting issues affecting the quality of electrical hardware and process problems when they arise.
- Analyzing data using equipment/gauges/instruments (Meters, scopes, calipers, etc.)
- Assist purchasing and suppliers in resolving/improving product specification issues.
- Design Engine Controller, MCU, ECU, and Ignition Pack Embedded Systems
- Using PIC, Micro Controllers, Sensors, and MEMS Embedded Systems and Technology
- Research for using Radio Frequency Identification (RFID) in our Manufacturing Lane

SKP, Sanate Khat va Palayesh (Dec. 2013 – May. 2015)

Electrical & Control Engineering Project Manager (Governmental Projects)

- Manage and coordinate several Oil and Gas projects and building construction.
- Provides field service engineering, technical assistance, and technical solutions to Clients and Contractors modification of electrical and control equipment.
- Coordinate scheduling between Customer deadlines, purchasing, project management, and engineering.
- Participate in the design, generation, and support of all electrical control and instrument documents.
- Develop semantics for capital projects to issue for construction and update for as-Built.
- Specify and procure all electrical, mechanical, and control equipment for new project installations.
- Supervise maintenance staff and contractors during equipment installation.
- Provide controls and electrical troubleshooting expertise.
- Provide recommendations for maintaining warehouse stock.
- Develop an I/O list and architecture for control systems.
- Modify PLC logic for enhanced reliability and process improvement, PLC program revision control.
- HMI development to improve operator interface to equipment.

- Specify and integrate new sensing equipment to correct constant maintenance issues.
- Design Modbus, Profibus, Profinet, HART, Fiber Optics, and Optical Networks
- Design Computer Networking in DCS, SCADA, and Monitoring Servers for Naft Shahr Gas Export Metering Station.
- PLC Networking and Configuration for Gas Export Metering Station.
- Design and draw single-line and three-line panels with the consideration of process equipment, switchgear, electrical switchgear layout, earth system, design and selection of the capacitor bank, and diesel generator power calculations.
- Design and draw Earth and Lightning systems, Lighting fixtures & Small Power materials.
- Preparation and installation of instrumentation such as level gauges, flow meters, pressure gauges, and sensor types.
- Supervision as well as monitoring administrative tasks such as building construction, concrete, excavation, reinforcement, cable trenching, installing equipment, panels, layout, pipeline, construction signs, and the green.
- Prepare design-build and RFP for electrical panel builder and automation contractor.
- Develop control logic and PLC loop description.
- Train staff and mentor new hires.

Cyber Sanat Co. (Jun. 2011 – Nov. 2013)

Electrical and Instrumental Engineering Manager (Governmental Water & Wastewater)

- Manage and coordinate multiple projects and Staff Supervision.
- Telemetry system design, installation, and commissioning of the equipment required.
- Telemetry Project Manager and implement Cost Management Doctrines.
- Review project drawings and specifications for field design.
- Manage and coordinate subcontractor work activities.
- Troubleshoot and diagnose electric and control systems.
- Oversee PLC subcontractor implementation.
- Implementation of all electrical, control, and instrument document.
- Design and implement industrial Networks.
- Provides field service engineering, technical assistance, and technical solutions to Clients and Contractors modification of electrical and control equipment.
- Provide drawings for electrical and control panels, cables, junction box, instrumentation equipment supply, and installation.
- Implementation of Control Monitoring Configuration & Architecture.
- Develop control philosophy and analysis P&ID.
- Design and develop electrical panel layout and wiring diagrams.
- Analysis of mechanical and electrical drawings for industrial water and wastewater utilities.

ABP, Ab Pardazane Bahar Co. (Jan. 2007 – May. 2011)

Electrical and Control Engineer and Project Manager (Governmental Water & Wastewater)

- Manage multiple projects and Staff Supervision.
- Assist in the solicitation of proposals and selection of specialty contractors
- Acting Project Manager and working in conjunction with the General Project Superintendent to supervise the activities of the Project Superintendents.
- Provide recommendations to modify PLC logic and HMI for enhanced reliability and process improvement.
- HMI development to improve operator interface to equipment.
- Design power distribution panels, lighting, and ground systems for all projects
- Design, draft and generate all electrical, control, and instrument document analysis in all Engineering tasks.
- Design Computer Networking in DCS, SCADA, and Monitoring Servers for wastewater treatment projects.
- Develop SCADA Networking for wastewater treatment projects.
- Design electrical single-line and three-line panels with the consideration of process equipment,
- Design and draw Earth and Lightning systems, Lighting fixtures & Small Power Material
- Provides field service engineering, technical assistance, and technical solutions to Clients and Contractors modification of electrical and control equipment.
- Develop Piping and Instrumentation (P&ID) diagrams.
- Conduct Factory Acceptance Testing.

EDUCATION

- Master's in electrical engineering, (2007 – 2009), Sadjad University of Technology, Mashhad, Iran
- Bachelor's in electrical engineering, (2005 – 2007), Sadjad University of Technology, Mashhad, Iran

CERTIFICATES

- Certificate of Recognition from the Mayor and the City Commissioners
- LinkedIn Cybersecurity Badge
- LinkedIn Microsoft Project Badge
- LinkedIn Microsoft Outlook Badge
- Incident Command System ICS-100 from Federal Emergency Management System (FEMA)
- National Incident Management System IS-700 from Federal Emergency Management System (FEMA)
- EPA Resilience of Ecosystems in a Changing Climate
- EPA Water security
- EPA Disaster Management for Water and Wastewater Utilities
- EPA AWIA and Creating Resilient Water Utilities
- EPA Property Values and Water Quality
- Lead & Copper Rule Revisions
- AWWA Professional Development
- AWWA Innovation Roadmap
- Kevin Mitnick Cyber Security Awareness
- Security Awareness Fundamentals
- Harassment Prevention for US Employees
- Industrial Ergonomics
- Social Engineering
- Arc Flash Safety, OSHA 1910 Subpart S, NFPA 70E, IEEE 1584
- Trihedral VTScada Operation & Configuration
- Internet of Things (IoT)
- Reduce Risk on Utilities from American Water Works Association (AWWA)
- Connected Drinking Water Ecosystem and turn Data into Operational from AWWA.
- Personal Protective Equipment (PPE)
- Lockout/Tagout (LOTO), Lockout/Tagout for Authorized Persons
- PowerFlex Drives from Rockwell Automation.
- Smart Device, Design, Operate, and Maintain the Connected Enterprise from Rockwell Automation.
- Instrumentation and Ethernet/IP from Rockwell Automation.
- Distributed HMI with FactoryTalk View Site Edition, Introductory Lab from Rockwell Automation.
- Social Engineering Inside Man Trailer.
- Benefits of Unifying a Power Management System from Rockwell Automation.
- Basic Emergency Bleeding Control
- Hazardous Materials in the Workplace, Respiratory Protection
- Heat Stress Recognition and Prevention
- Industrial Ergonomics

PROJECT LIST

My responsibilities on the below Capital projects included:

Capital Improvement Planning and development, Project planning, Scope preparation, design review, construction management, bidding documents and specification development, contract solicitation, contract evaluation and selection, project workshops, consultant selection, procurement, contract award and negotiation, contract management, project kickoff, project management, budget preparation, budget expenditure control, stakeholder management, construction management, submittal reviews and approval, schedule of value review and approval, training, operation, resource management, leadership, staff training, and maintenance.

Utilities – Advanced Metering Infrastructure (AMI)

This technology will allow remote access to collect consumption information and troubleshoot meters. This technology will save the city the expense of periodic trips to each physical location to read a meter. In addition, billing can be based on near-real-time consumption rather than on an estimate based on past or predicted consumption. The additional Lead and Copper Lateral inventory services (Estimated at \$200,000) were added to the scope of the contract during the project construction phase.

Cost: \$5,000,000

Status: In progress

Utilities – Water Plant Ammonia Conversion

Removing the Anhydrous Ammonia from our treatment process will eliminate the risk of an accidental release which places the public at risk. The Chlorine and Ammonia conversions will also eliminate the risk management plan which is time-consuming and requires help from outside vendors to stay in compliance. The city would still be required to register the liquid chemical with the emergency management, office of hazardous chemicals which is a simple form that is filled out year to year for all chemicals.

Cost: \$1,000,000

Status: In progress

Utilities – Chemical Line and Bulk Tank Replacement

The replacement of three chemical bulk tanks that were approaching the end of their expected service life. The Water treatment plant is currently working on phase I of the chemical line and bulk tank replacement project. Phase I includes engineering and design drawing, as well as bid preparation and construction contractor selection. Phase II will include the portion of the project not funded in phase I.

Cost: \$1,650,000

Status: In progress

Utilities – 1 Million Gallon Storage Tank Rehabilitation

Rehabilitation of existing 1-MG tank which includes painting of exterior and interior of the tank and replacement of rusted anchoring bolts.

Cost: \$886,147
Status: Completed

Utilities – Integrated Utilities Master Plan

Development of the Master Plans for Utilities.

Cost: \$900,000
Status: Completed

Utilities – Raw water Well Rehab & Upgrade (WELL #19)

Rehabilitation of wellhead, replacement of good pump and vertical turbine motor, MCC and control panel upgrade, generator replacement.

Cost: \$563,2100
Status: Completed

Utilities – Hydrant Replacement Plan

Under this project, we will be replacing old and outdated fire hydrants that are undersized, and/or parts to repair them are no longer available. This work will be performed by the City staff as they are testing the hydrants.

Cost: \$25,000
Status: Ongoing CIP program

Utilities – Rehabilitation of Manholes

Under this project, we will be rehabilitating manholes that have deteriorated over years.

Cost: \$40,000
Status: Ongoing CIP program

Utilities – Lift Station Equipment Replacement

Under this project, we will be replacing old and outdated Lift Station Components that are undersized, and/or parts to repair them are no longer available.

Cost: \$50,000
Status: Ongoing CIP program

Utilities – Wastewater Station 25 Replacement

The Deerfield Station development on the corner of Hillsboro Blvd and SW 12th St will increase wastewater flow to the existing Lift Station 25. The existing station cannot meet the future wastewater demand. Therefore, a larger lift station is needed.

Cost: \$500,000
Status: Completed

Utilities – Water Treatment Plant Nano- VFD Replacement

The Nano process train contains 5 booster pumps and 3 transfer pumps driven via Rockwell 1336 VFDs. These VFDs are almost 20 years old and have reached the end of their useful

life. In addition, these units are obsolete and no longer supported by the manufacturer. For this reason, neither spare parts nor support is easily obtainable. A VFD failure could result in a decreased capacity to make drinking water. Additionally, can create mechanical problems for the pumps. The work to be done will involve, the removal of the drive internals, while keeping the cabinet and all external wiring. Mounting a new Power Flex drive into the existing cabinet as a "Bucket" replacement. The city is planning to replace at least 2 VFDs based on the size of this CIP budget and continue the replacement program for the following years.

Cost: \$400,000

Status: Completed

Utilities – Fluoridation System Rehabilitation

The City of Deerfield Beach West water treatment plant has recently been approved by the state of Florida for a Fluoridation system rehabilitation grant in the amount of \$184,000. The grant funds will be used to purchase employee personal protective equipment, new chemical pumps, chemical day tank, exhaust fans, doors, scale, sump pumps, chemical injectors, level transducers, transfer pumps, and a leak detection system. The purpose of the grant funds is to cover all of the equipment and 15% of the engineering cost associated with the project. It is the city's responsibility to pay for the remaining engineering work and the construction of a chemical injection vault as well as the installation of the new equipment. The installation includes all electrical and control requirements.

Cost: \$80,000

Status: Completed

Utilities – East Water Repump Facility Phase II

Demolition of East water Treatment plant facilities and replacement of high service pump eight, two air compressors, chain link fence and gates around facility and adjacent ground storage tank.

Cost: \$963,638

Status: Completed

Utilities – West Water Treatment Plant Chlorine Conversion

Replacement of the existing chlorine gas facilities with a new sodium hypochlorite storage and feed facility. The new facility will be located within the existing chlorine building. Upgrades to instrumentation and controls will be provided to monitor and control the facility remotely from the WTP SCADA system. The project will convert the plant's gaseous chlorine disinfection to liquid chlorine.

Cost: \$2,734,719

Status: In progress

Utilities – Well 21 & 22 Rehabilitation Project

The City currently operates six surficial wells that supply raw water to the water treatment plant and are located to the West of Interstate 95. The West wellfield rehabilitation project will allow the water plant to contract well drillers to come onsite and redevelop each well. This redevelopment includes brushing the casing, over-pumping, and air development. The rehabilitation efforts lead to less stress on plant equipment and a more efficient operation which saves money and resources.

Cost: \$300,000
Status: Completed

Utilities – West Water Plant Site Security Project

As part of the updated Emergency Response Plan, the water plant will install a new security system and electromagnetic locks throughout the water plant.

Cost: \$622,177
Status: Completed

Utilities – West Water Plant Facility Improvements

The installation and replacement of hurricane shutters for the West Water Treatment Plant. Most of the hurricane structures at the plant were in poor condition and beyond repair. Environmental Services personnel are required to remain at the water plant during all severe weather events which could become a security issue without this protection.

Cost: \$70,000
Status: Completed

Utilities - West Water Treatment Plant SCADA upgrade

Upgrade the water plant Supervisory Control and Data Acquisition (SCADA) control software upgrade includes conversion to the new SCADA system, software supports, new screen implementation, implementation of a new data historian, servers and workstation hardware, network upgrades, training, and alarm management.

Cost: \$150,000
Status: Completed

Utilities – Hydrogeological Study

The CITY has hired a consultant to provide professional services to support the development of a hydraulic model of the western wellfield conveyance piping system, which will be used to evaluate the pumping conditions of the six wells and provide recommendations to improve operational flexibility, energy efficiency, and protection of the system from high pressures.

Cost: \$75,986
Status: In progress

Utilities – Water Plant HSP 12 & 13 Valve

Renew and replace both valves on High Service Pump 12 & 13.

Cost: \$165,858
Status: In progress

Utilities – Water Plant Filter Level & Valve Controls

This project will improve sand filter controls. The current filter level and valve controls are operating using an antiquated pneumatic system that is well beyond its normal service life and is unreliable at best. The stops on most of the valve controls are no longer functional, work in reverse, or are operated using valve positions marked with a sharpie. The level control bubbler system is completely out of service resulting in operations staff manually opening and

closing filter effluent valves in the lower level pipe gallery to maintain proper levels in the filters.

Cost: \$60,000

Status: Completed

Utilities – Water Plant Lime Slacker replacement

Renew and replace one of the existing slackers.

Cost: \$175,650

Status: In progress

Utilities – Water Plant Fiber Optic Upgrades

Currently, plant control systems are connected with an almost 20-year-old fiber network showing failures that are difficult to maintain and troubleshoot. This fiber optic network was originally run with spare fibers, which have been used to repair several communication failures over time and no longer exist in the event of new failures. Such a failure could result in system downtime and failure to make drinking water. Additionally, no topology drawings exist for the physical cable runs and termination labeling is either poor or non-existent. The work to be done will involve a contractor removing all old fibers and replacing them with new fibers and spares, junction boxes, and newly labeled terminations.

Cost: \$102,149

Status: In progress

Utilities – Water Plant Automatic Transfer Switch

Currently, plant control systems are connected with an almost 20-year-old fiber network showing failures that are difficult to maintain and troubleshoot. This fiber optic network was originally run with spare fibers, which have been used to repair several communication failures over time and no longer exist in the event of new failures. Such a failure could result in system downtime and failure to make drinking water. Additionally, no topology drawings exist for the physical cable runs and termination labeling is either poor or non-existent. The work to be done will involve a contractor removing all old fibers and replacing them with new fibers and spares, junction boxes, and newly labeled terminations.

Cost: \$415,122

Status: In progress

Utilities – Water Plant General Bldg. Facility Improvements

In 2022 City plan to upgrade the lab room at the water plant. The operational laboratory needed renovations. The lab cabinets and countertops were the original ones from when the water plant was first constructed in 1985.

Cost: \$96,125

Status: Completed

Utilities – Water Plant PLC upgrade

The water treatment plant's existing PLC system has reached the end of its useful life and the manufacturer will stop providing repair parts for the model used at the plant after 2024. Most of the existing PLC systems were installed in 2004. This project replaces the existing PLC system with new equipment.

Cost: \$800,000
Status: In progress

Utilities – Water Plant Floridan Aquifer Well Rehabilitation

Dewatering for pumping and redevelopment of Floridan Aquifer wells to reduce the sand content concentrations from the well.

Cost: \$1,000,000
Status: In progress

Utilities – Water Plant Operator Console Upgrade

Currently, all field wires and cables connected to the PLC panel have been routed inside the old operator console, this console cabinet has been used as a junction box. The console has lots of unused control equipment that needs to be eliminated and also requires an upgrade for used control devices.

Most of the control systems on the console are obsolete and not functioning. It is very difficult to trace and troubleshoot the wiring system in case of failure or add new wires in the future. The work to be done will involve a contractor removing all old wires and the entire console and replacing them with new wires and a standard junction box.

Cost: \$500,000
Status: In progress

Utilities – Water Main Pipe Repair & Replacement

The project will allow us to employ a contractor for the repair or replacement of the water piping system that can't be performed by City Staff. A significant section of our water system date from the 1960s to the 1970s. About 40% of our water system was built before 1980. Therefore, many water mains are now over 50 years old and are approaching the end of their useful life. To keep ahead of the problem a water main replacement program and reinvestment in required. The budget for the program needs to increase in the future.

Cost: \$220,000
Status: Ongoing CIP program

Utilities – Gravity main Sewer Lining & Repair

This program consists of the rehabilitation of aging and deteriorating gravity sewer lines. The City will perform an investigation to identify deteriorated sewers and employ a Contractor to line sewer lines. We still have a budget under the current PO with a Contractor for 2021.

Cost: \$200,000
Status: Ongoing CIP program

Utilities – Gravity Sewer Lateral Lining Program

The project will rehabilitate service laterals. The City will investigate the condition of the laterals and employ a contractor to line the service laterals to the property line and install a cleanout.

Cost: \$75,000
Status: Ongoing CIP program

Utilities – East Water Plant Roof and Asphalt replacement

The top portion of the remaining portions of the east water treatment plant roof will be replaced and the asphalt on the entire site will be resurfaced.

Cost: \$110,000

Status: Proposed CIP for FY24

Utilities – Reverse Osmosis Sand Strainer Installation

The reverse osmosis portion of the current west water treatment plant does not have sand strainers installed to protect the RO Membranes. This project will consist of the engineering and construction phase of installing two self-cleaning sand strainers that work in parallel with each other.

Cost: \$264,000

Status: Proposed CIP for FY24

Utilities – New Reclaimed Water Main

The City planning to install a 12" reclaimed water main line in conjunction with proposed improvements to SW 10th Street by the Florida Department of Transportation ("FDOT"). The City does not currently own or operate any treatment facilities for reclaimed water production or distribution. The reconstruction of this corridor affords a unique opportunity to install this new infrastructure with the proposed SW 10th Street Connector Project. FDOT will design, construct, and permit these improvements.

Cost: \$12,000,000

Status: Budget adopted

Utilities – New Ion Exchange System

New Ion Exchange System. The treatment Plant long term recommended improvements that meet the water quality goals include the phasing out of the lime softening system and the incorporation of an Ion Exchange (IXA) treatment system. The IXA system will meet not only the WQ goals but also all of the infrastructure and O&M goals.

Cost: \$19,800,000

Status: Budget adopted

Utilities – Network and communication upgrade

The City West Water Treatment Plant (WWTP) and Wastewater lift stations remote site requires network and communication upgrade. Currently, all wells communicate over serial interfaces, but upgrades are planned to convert these to Ethernet. The polling time of this network is currently between 2 and 3 minutes. This is on the edge of being an adequate polling time to capture alarms and events and is not suitable to provide any type of real-time control. One master radio with no redundancy, the master radio is at the end of its useful life. Only 1 radio is working as the master, and the entire backup master radio (with 2 units) is completely failed. Well, the radio doesn't have any backup.

Cost: \$660,000

Status: Budget adopted

Utilities – FAU Research Blvd. Water & Sewer Upgrade

This project will improve the water and wastewater to support the redevelopment of FAU Research Blvd. The roadway portion of this project was designed in FY 22 with construction planned for FY 23. Concurrent improvements to the water and wastewater system are needed while the road is under construction.

Cost: \$600,000

Status: Budget adopted

Utilities – West Water Plant Infrastructure Assessment

Conduct a 40-year assessment of all west water plant assets, including all structures, mechanical, electrical, and plumbing equipment. Additionally, provide recommendations for site security improvements along with new security technology. This project is necessary to provide preventive actions instead of reactive measures. This project will also assist in determining future CIPs necessary and the estimated costs associated with them.

Cost: \$500,000

Status: Proposed CIP for FY25

Utilities – Lime Softening Facility Demolition

The project includes the Lime Softening Facility Demolition after the new Ion Exchange system is operational.

Cost: \$532,800

Status: Proposed CIP for FY26

Utilities – Maintenance Management System (CMMS)

Manage and champion the design and implementation of Asset Management software, Work Order Management, Inventory Management, and implementation, staff training, software license renewal, and GIS integration.

Cost: \$100,000

Status: Proposed CIP for FY26

Construction and Facilities – City’s energy performance contract

The City of Deerfield Beach, in an ongoing effort to reduce energy costs and upgrade existing facilities, has selected Siemens Smart Infrastructure, Building Technologies Division as a qualified energy performance contractor. As the City’s energy performance contractor and partner, Siemens has performed a detailed energy analysis. The areas included in the analysis are the heating air-conditioning and ventilation (HVAC) systems, the lighting systems, and the domestic water system; among other specialty processes and operations. Siemens representatives conducted thorough on-site inspections for the purpose of identifying and evaluating opportunities to implement facility improvements that would provide energy, maintenance, or other cost savings. These potential Facility Improvement Measures (FIMs), herein referred to as FIMs, include:

- Lighting system upgrades
- HVAC and building control upgrades
- Water conservation projects
- Building Envelope Improvements

- Geothermal Pool Heating / Cooling System
- Compressed Natural Gas (CNG) fueling station
- Solar photovoltaic projects

In this project, Siemens developed and implemented a comprehensive energy performance savings program for the City. My responsibility was to manage the design, submittal review, and approval, and manage the construction, training, operation, and maintenance of newly installed systems and equipment.

Cost: \$17,000,000

Status: Completed

Construction and Facilities – Aquatic's Center Roof Replacement & House Renovation

Aquatic Center metal roofing system at pool area replacements are required, this roof shows signs of extensive corrosion within the gutter/ downspout and roofing panel systems and must be replaced. Metal roofing system replacements are also required at football concessions, baseball concessions, and pool entry areas. All of these roofs show signs of extensive corrosion within the gutter/ downspout and roofing panel systems and must be replaced. Due to the hard quote proposal, we are planning to replace the Aquatic Center roof and gutters based on conditions and replace the other roofs in FY22. Total 9000 sf for 4 buildings.

Cost: \$495,000

Status: Completed

Construction and Facilities – Fire Station #111 Trailer replacement

The existing trailer has exceeded its life expectancy and has deteriorated to the point of needing replacement. The project includes the removal and replacement of the existing Fire Station #111 trailer with a customized modular building, site improvements as needed, relocation of an existing emergency vehicle canopy, reconnection of water, sewer, and electrical services, and construction of ADA-compliant access.

Cost: \$270,000

Status: Completed

Construction and Facilities – Pier Café Fresh Air System Replacement

This product will replace a system that has not worked in 2-3 years. This is necessary to provide a comfortable space within the Café.

Cost: \$49,500

Status: Completed

Construction and Facilities – Tiki Huts Repair at Beach

Performed a repair job on 3 Tiki Huts at the beach.

Cost: \$25,000

Status: Completed

Construction and Facilities – New Fire Station 51 building

About the Development Agreement between the City and Lennar Homes LLC. I was responsible to oversee and manage the design, project and construction management, and maintenance of new construction buildings.

Cost: \$190,275

Status: Completed

Construction and Facilities – Fire Station 66 Fuel tank replacement

Design and installation of the UL 2085 Fire-rated fuel tank system at Fire Station #66.

Cost: \$36,800

Status: Completed

Construction and Facilities – Beach restrooms renovations

Renovated the beach restrooms.

Cost: \$50,000

Status: Completed

Construction and Facilities – Engineering building assessment and repair at Fire Station 75

Performed the building structural assessment and developed the detailed scope of work from the CCNA consultant for a contractor to perform the repair bases on assessment finding on the building.

Cost: \$150,000

Status: Completed

Construction and Facilities – Pier Gazebo Roof Replacement

Replaced severely deteriorated metal roof on Gazebo at the end of the Pier and rooftop on Beach Walkway entrance structures. The existing roof shows severe rust deterioration over a great portion of the surface. The panels are all rusting. The roof allows for water to penetrate in driving rain.

Cost: \$95,000

Status: Completed

Construction and Facilities – Fire Station #75 Generator

Installation of new level 1 generator to replace one that was removed. There is no generator currently existing onsite. Construction will consist of all materials, labor, and necessary equipment for the successful installation of the generator. Within the last year, Fire Station #75 lost power more than twice during weather events and had to utilize a borrowed portable generator from another critical facility in the City Wastewater Division.

Cost: \$120,000

Status: In progress

Construction and Facilities – Unified Key Management System

Currently, the City does not have a comprehensive key management system. There are 489 interior and exterior openings surveyed throughout city-owned facilities (excluding BSO and Fire Stations). A Medeco Master key system will be implemented throughout the city over two years. In year one, FY 23, all city buildings and facilities, excluding BSO and Fire Stations, will be rekeyed. It is proposed to rekey BSO and Fire Stations in year two, FY 24. The interior doors of BSO & Fire will be on a separate system due to different security measures and the key system will be proposed in outer years.

Cost: \$170,000

Status: Budget adopted

Construction and Facilities – Lifeguard Towers replacement

This project consists of the replacement of nine (9) lifeguard towers along the City of Deerfield Beach coastline and the construction of one (1) additional tower on North Beach. The tower's original construction dates range from 1955 through 2000. The aggressive saltwater environment has deteriorated the wooden structures and associated hardware which necessitates their replacement. The existing towers are skid mounted. Enhancements will be made relating to security and visibility for our lifeguards.

Cost: \$2,257,240

Status: In progress

Construction and Facilities – Ocean Way Bollard Replacement

Installation of new pedestrian bollards along Ocean Way to the City limit. The City portion of the project is broken down into two alternates. The rest is funded and will be replaced by CRA.

Cost: \$1,012,650

Status: Budget adopted

CONTRACT BASE PROJECT LIST

On the below projects, I work on private infrastructure service contractor companies focused on selling/closing long-term service contracts, contract operations, O&M projects, design-built projects, outsourcing deals, or master service agreements (MSA) within the municipal water, sewer, or wastewater utility space.

Ab Pardazan Bahar - Operation of drinking water supply pumping stations City of Pardis

The project scope was to provide full management, operation, maintenance, repair, water testing, and inspection services for water supply pump stations and storage tanks between the water source to the water treatment plant.

Contract term:

5 years with a 3-year renewal.

Annual Contract Value: \$550,000

My responsibilities:

Responsible for RFP package preparation and submission, overseeing engineering team, contract negotiation, project kickoff, engineering support, hiring the operation and maintenance team, managing daily operations, performing inspections, budget management, processing payroll, providing the report to management, and submitting monthly schedules of value to the client.

Ab Pardazan Bahar – City of Piranshahr Wastewater Treatment Plant

This project was a design-built construction of a new wastewater treatment plant.

I worked closely with the engineering team on the implementation, installation, site inspection, and training of I&C, Electrical, and SCADA systems.

Construction Contract Value: \$14,500,000

At the final stage of construction, with an understanding of client capacity, we performed several meetings with client key decision makers. As part of the team, I suggested proposing the service contract to the client with the focus on our expertise in the new SCADA system which was successful to secure a contract to enhance City Operation at the plant.

Contract term:

3 years with a 1-year renewal.

Annual Contract Value: \$1,500,000

My responsibilities:

At the final stage of construction, with an understanding of client needs, we performed several meetings with client key decision makers. Utilizing my strong relationship with a client during the construction phase, I suggested proposing the service contract to the client with a focus on our expertise in the newly installed SCADA system which was successful to secure a contract to enhance City Operation at the plant.

Ab Pardazan Bahar – City of Sardasht Wastewater Treatment Plant

The project scope was to provide full management, operation, maintenance, repair, testing, compliance reports, and inspection services for Wastewater Treatment Plants.

Contract term:

3 years with a 1-year renewal.

Annual Contract Value: \$1,200,000

My responsibilities:

Responsible to lead the operation, performing inspections, managing staff payroll, providing reports to management, maintaining relations with the client, client support, managing expenditures, budget management, providing the report to management, and submitting monthly schedules of value to the client.

Ab Pardazan Bahar

- **City of Ramhormoz Wastewater Treatment Plant**
- **City of Kahrizak Water Treatment Plant**
- **City of Zanjan City Wastewater Treatment Plant**
- **Salimi Industrial Park Wastewater Treatment Plant**
- **Uromiyeh Industrial Park Wastewater Treatment Plant**
- **City of Chaharbagh Wastewater Treatment Plant**

Responsible for the I&C, SCADA, and electrical construction design documentation, cost analysis, and pricing proposal in response to RFP/ITB. Review project drawings and specifications for field design.

After contract awards, responsible to lead the I&C/Electrical construction, maintaining relations with the client, client support, managing expenditures, budget management, providing the report to management, and submitting monthly schedules of value to the client.

Cyber Sanat Co. – Tehran County Supply Water Telemetry system

The project scope was to provide full design-built installation for the implementation of the new Telemetry system for 250 water pump stations around the City of Tehran. As a project manager, I managed the design, implementation, negotiation with sub-contractors, building of the RTU panels, installation, implementation of the SCADA network, client training, client support, budget management, site inspections, ordering the equipment, testing, warranty package, Factory Acceptance Testing (FAT), Site Acceptance Testing (SAT), and preparation of O&M documentation.

Contract Value: \$23,000,000

At the final stage of construction, with an understanding of client needs, we performed several meetings with client key decision makers. Utilizing my strong relationship with a client during the construction phase, I suggested proposing the service contract to the client with a focus on our expertise in the newly installed SCADA system which was successful to secure a contract to enhance City Operation at the plant.

Contract term:

3 years with a 1-year renewal.

Annual Contract Value: \$1,900,000

My responsibilities:

Responsible for SCADA system monitoring, evaluation/selection of subcontractors, negotiating with subcontractors, engineering support, hiring the operation and maintenance team, inspections, managing expenditures, budget management, building a strong long-term relationship with the client, client support, processing payroll, providing the report to management, and submitting monthly schedules of value to the client.

Cyber Sanat Co.

- **Operation of Water Supply Pumping Stations for City of Islamshahr**
- **City of Sari Wastewater Treatment Plants**
- **City of Azna Wastewater Treatment Plants**
- **City of Tehran Water Pumps Stations**

Responsible for the I&C, SCADA, and electrical construction design documentation, cost analysis, and pricing proposal in response to RFP/ITB. Review project drawings and specifications for field design.

After contract awards, responsible to lead the I&C/Electrical construction, maintaining relations with the client, client support, managing expenditures, budget management, providing the report to management, and submitting monthly schedules of value to the client.

SKP Co. – Naft Shahr Gas Export Metering Station

The project scope was to provide full design-built installation for the implementation of the new Gas Export Metering Station. As a project manager, I was responsible to oversee and manage the design, submittals, implementation, construction management, negotiation with sub-contractors, material and equipment ordering, installation, client training, budget management, site inspections, ordering the equipment, testing, preparation of O&M documentation, warranty package, build a long-term relationship with the client, and submitting monthly schedules of value to the client. Before the end of construction, we prepared and proposed the operation and maintenance service contract to the client and the contract was awarded for a 5-year term with 3 years renewal option.

Construction Contract Value: \$25,000,000

Contract term:

5 years with a 2-year renewal.

Annual Contract Value: \$2,200,000

My responsibilities:

Responsible for SCADA system monitoring, evaluation/selection of subcontractors, negotiating with subcontractors, engineering support, hiring the operation and maintenance team, inspections, managing expenditures, budget management, building a strong long-term relationship with the client, client support, processing payroll, providing the report to management, and submitting monthly schedules of value to the client.

HAMID NIKVAN

1-954-2982148

APPLICATION INFORMATION

REQUISITION NUMBER - 1059

DATE APPLIED - 06 Sep 2022

SOURCE - Career Center

JOB TITLE - Assistant Utilities Director

RECRUITER - Raj Verma

HIRING MANAGER - Rajesh Verma

PERSONAL INFORMATION

EMAIL - h.r.nikvan@gmail.com

HOME PHONE - 1-954-2982148

PERSONAL MOBILE - 1-954-2982148

DESIRED SALARY - Not available

ADDRESS

9486 Boca River Circle,

Boca Raton, 33434,

FL - Florida, Palm Beach County, UNITED STATES

EDUCATIONAL BACKGROUND

Master's in electrical engineering

01/01/2007 - 01/01/2009

Sadjad University of Technology

Major - electrical engineering

Minor -

Bachelor's in electrical engineering

01/01/2005 - 01/01/2007

Sadjad University of Technology

Major - electrical engineering

Minor -

EMPLOYMENT HISTORY

City of Deerfield Beach 10/01/2020 - 12/13/2021
Assistant Director of Environmental Services & Utilities
Deerfield Beach FL
OK to contact this employer? - Yes

RESPONSIBILITIES

Under the general direction of the Director of Environmental Services. Responsible for planning, organizing, directing and evaluating the assets, operations, budgets and activities of the City's Water/Wastewater and Facilities Divisions to provide services to the public.

- Plans, assigns and directs through supervisors the operations and maintenance of water production and treatment, water distribution, wastewater collection, facilities maintenance and other related public infrastructure.

City of Deerfield Beach 06/01/2019 - 09/30/2020
Electrical, Automation & Facilities Operations Administrator
Deerfield Beach FL
OK to contact this employer? - Yes

RESPONSIBILITIES

Direct and manage all maintenance and projects of more than 160 facilities over 400K sq. ft Citywide, and over 5M

Operation and Capital Improvement budget. Responsible for all aspects of Facility Management Operations, Water

Treatment plants and Wastewater Collection Electrical and SCADA system assuring all equipment and systems are

operating optimally at all locations Citywide.

- Prioritizing, engineering, design, management and reporting of all projects for implementation
- Completion and approval of quarterly performance measurement review of direct reports.
- Accountability for all reports and track progress of activities for management and staff review.
- Manage and implement all preventative and corrective maintenance is being performed on all assets

includes Facilities, Lift Stations, Wells, and Water treatment Plant.

- Provide safety and health support to all personnel while establishing standards for safety in the workplace.
- Uses work order management system to facilitate and manage internal work assignment and flow.
- Provide coaching and supervision to assigned staff.
- Oversee the implementation and development of Computer Maintenance Management System (CMMS) application.
- Assists in providing technical support to various departments regarding requested repairs and improvements
- Manages, coordinates and ensures resolution to all documented Facility Incident reports
- Oversee the company's Health, Safety & Environment strategy including workers compensation and OSHA.
- Development of financial models that support management decision-making on capital investments and improvements.
- Prepared department budget and oversee the operating and capital expenditure budget.

City of Deerfield Beach

10/01/2018 - 06/01/2019

Electrical and Electronics Superintendent

Deerfield Beach FL

OK to contact this employer? - Yes

RESPONSIBILITIES

Responsible for the management and supervision of maintenance and repair of electrical, electronic and Supervisory control and data acquisition (SCADA) equipment associated with water treatment plant, lift stations, lighting, facilities etc. Full range of supervisory responsibilities for a variety of skilled and non-skilled employees

engaged in preventive and reactive maintenance activities electrical, electronic and SCADA system.

- Manages and assists the maintenance and repair of electrical, electronic, SCADA systems, lift stations,

lighting, facilities etc.

- Plans, schedules, and directs preventative and corrective maintenance of a wide variety of electrical, electronic and SCADA system

- Assigns, coordinates and supervises personnel and materials required in the maintenance and repair of the treatment plant.

- Prepared Policies, Standard Operating Procedures (SOP), Memorandums, Request for Proposals (RFP), and procurement documents.

- Attend on contractor selection committees.

- Identify and resolve all regular and extraordinary maintenance and repairs required to ensure continuous

and dependable water production and pumping for both regular and peak demand.

- Oversee the work of contractors with plant maintenance activities and operational considerations.

- Estimates cost and time for all aspects of maintenance, repair and construction work.

- Analyzes equipment failures to determine cause and to prevent recurrences.

- Installs, programs, maintains, troubleshoots, documents and repairs a wide variety of industrial instrumentation which include computer systems, electronic monitoring, metering, controlling, signaling

devices, PLC control systems, VFD control systems, SCADA system controls, fiber optic and Ethernet

systems used in production, treatment and distribution of water.

GBI Intralogistics Solutions

01/01/2017 - 06/01/2019

Electrical Control Systems Manager (Manufacturing Machinery Industry)

OK to contact this employer? - Yes

RESPONSIBILITIES

Responsible for Project Leadership and Management of working with mechanical automation systems and providing Electrical & Control Engineering projects, including PLC's and complex automation for a sorting systems.

- Design, manage, develop and deploy machine control systems, PLC & HMI of Allen Bradley Control systems for sorter machine and industrial machinery.
- Project management, meet client expectations, manage field installation, manage projects commissioning onsite, and project milestones.
- Implementation and development for Control systems, PLC programming, SCADA system, wire diagrams, I/O distribution, Control Logic.
- Work on major camera scanners and sensors align, set, calibrate and debug.
- Customer support calls, debugging, remote repairs.
- Implement and development Power Panel Design and wire diagrams.
- Control Panel Design & Control System Integration.
- Perform Testing & Client Operation Training.
- Control System Architecture and Design.

CDI Electronics

06/01/2015 - 01/01/2017

Electrical Design Engineer (Manufacturing Industry)

OK to contact this employer? - Yes

RESPONSIBILITIES

- Lead in project development from definition to/through first production and field support.
- Manage and coordinate multiple projects and Staff Supervision.
- Assist in obtaining Six-Sigma processes and ISO certification.
- Driving projects to completion including Developing PCB board design (using Altium), Schematics, Product specifications, Cost to design analysis, Bill of material (BOM), Tooling requirements, testing specifications, Definition of manufacturing process, Work and test instructions, Packing requirements.
- Utilizing various quality tools to assist with identifying and resolving quality and process problems, 8-D, 5 Why, Pareto analysis, SPC, capability studies, FMEAs, etc.
- Gather and complete analyses of data obtained from various areas to be used in project development and assist with quality issues.
- Troubleshooting issues affecting the quality of electrical hardware and process problems when they arise.
- Analyzing data with using equipment/gauges/instruments (Meters, scopes, calipers, etc.)
- Assist purchasing and suppliers on resolving/improving product specification issues.
- Design Engine Controller, MCU, ECU and Ignition Pack Embedded Systems
- Using PIC, Micro Controllers, Sensors and MEMS Embedded Systems and Technology
- Research for using Radio Frequency Identification (RFID) in our Manufacturing Lane

SKP

12/01/2013 - 05/31/2015

Electrical & Control Engineering Project Manager (Governmental Projects)

OK to contact this employer? - Yes

RESPONSIBILITIES

- Manage and coordinate several Oil and Gas projects and building construction.
 - Provides field service engineering, technical assistance and technical solutions to Clients and Contractors
- modification of electrical and control equipment.
- Coordinate scheduling between Customer deadlines, purchasing, project management, and engineering.
 - Participate in design, generation, and support of all electrical control and instrument documents.
 - Develop semantics for capital projects to issue for construction and update for as-Built.
 - Specify and procure all electrical, mechanical, and control equipment for new project installations.
 - Supervise maintenance staff and contractors during equipment installation.
 - Provide controls and electrical troubleshooting expertise.
 - Provide recommendations for maintenance warehouse stock.
 - Develop I/O list and architecture for control systems.
 - Modify PLC logic for enhanced reliability and process improvement, PLC program revision control.
 - HMI development to improve operator interface to equipment.
 - Specify and integrate new sensing equipment to correct constant maintenance issues.
 - Design Modbus, Profibus, Profinet, HART, Hot Wired, Fiber Optics and Optical Networks
 - Design Computer Networking in DCS, SCADA and Monitoring Servers for Naft Shahr Gas Export Metering Station.
 - PLC Networking and Configuration for Gas Export Metering Station.
 - Design and draw single line and three-line of panel with the consideration of process equipment, switchgear, electrical switchgear layout, earth system, design and selection of the capacitor bank and diesel generator power calculations.
 - Design and draw Earth and Lightning systems, Lighting Fixture & Small Power Material.
 - Preparation and installation of instrumentation such as level gauges, flow meter, pressure gauge, and sensor types.
 - Supervision as well as monitoring administrative tasks such as building construction, concrete, excavation, reinforcement, cable trenching, installing equipment, panels, layout, pipeline, construction signs, and the green.
 - Prepare design build and RFP for electrical panel builder and automation contractor.
 - Develop control logic and PLC loop description.
 - Train staff and mentor new hires.

Cyber Sanat Co

06/01/2011 - 11/30/2013

Electrical and Instrumental Engineering Manager (Governmental Water & Wastewater)

OK to contact this employer? - Yes

RESPONSIBILITIES

- Manage and coordinate multiple projects and Staff Supervision.
- Telemetry system design, installation and commissioning of the equipment required.
- Telemetry Project Manager and implement Cost Management Doctrines.
- Review project drawings and specification for field design.
- Manage and coordinate subcontractor work activities.
- Troubleshoot and diagnose electric and control systems.
- Oversee PLC subcontractor implementation.
- Implementation of all electrical, control and instrument document.
- Design and implement industrial Networks.
- Provides field service engineering, technical assistance and technical solutions to Clients and Contractors
modification of electrical and control equipment.
- Provide drawings for electrical and control panel, cables, junction box, instrumentation equipment supply and installation.
- Implementation of Control Monitoring Configuration & Architecture.
- Develop control philosophy and analysis P&ID.
- Design and develop electrical panel layout and wiring diagrams.
- Analysis of mechanical and electrical drawings industrial water and wastewater utilities.

ABP, Ab Pardazane Bahar Co

01/01/2007 - 05/31/2011

Electrical and Control Engineer and Project Manager (Governmental Water & Wastewater)

OK to contact this employer? - Yes

RESPONSIBILITIES

- Manage multiple projects and Staff Supervision.
- Assist in the solicitation of proposals and selection of specialty contractors
- Acting Project Manager and working in conjunction with the General Project Superintendent to supervise the activities of the Project Superintendents.
- Provide recommendation to modify PLC logic and HMI for enhanced reliability and process improvement.
- HMI development to improve operator interface to equipment.
- Design power distribution panels, lighting, and ground systems for all projects
- Design, draft and generate all electrical, control and instrument document analysis in all Engineering tasks.
- Design Computer Networking in DCS, SCADA and Monitoring Servers for wastewater treatment projects.
- Develop SCADA Networking for wastewater treatment projects.
- Design electrical single line and three-line of panel with the consideration of process equipment,
- Design and draw Earth and Lightning systems, Lighting Fixture & Small Power Material
- Provides field service engineering, technical assistance and technical solutions to Clients and Contractors
- modification of electrical and control equipment.
- Develop Piping and Instrumentation (P&ID) diagrams.
- Conduct Factory Acceptance Testing.
- Cable size calculation and selection.

SKILLS

No information available

LICENSES & CERTIFICATIONS

Distributed HMI with FactoryTalk View Site Edition, Introductory Lab from Rockwell Automation.

Expires On -

Smart Device, Design, Operate and Maintain the Connected Enterprise from Rockwell Automation.

Expires On -

National Incident Management System IS-700 from Federal Emergency Management System (FEMA)

Expires On -

Incident Command System ICS-100 from Federal Emergency Management System (FEMA)

Expires On -

Connected Drinking Water Ecosystem and turn Data into Operational from AWWA.

Expires On -

Benefits of Unifying a Power Management System from Rockwell Automation.

Expires On -

Reduce Risk on Utilities from American Water Works Association (AWWA)

Expires On -

Reduce Risk on Utilities from American Water Works Association

Expires On -

Lockout/Tagout (LOTO), Lockout/Tagout for Authorized Persons

Expires On -

Lockout/Tagout

Expires On -

Arc Flash Safety, OSHA 1910 Subpart S, NFPA 70E, IEEE 1584

Expires On -

Instrumentation and Ethernet/IP from Rockwell Automation.

Expires On -

Trihedral VTScada Operation & Configuration

Expires On -

PowerFlex Drives from Rockwell Automation.

Expires On -

Social Engineering Inside Man Trailer.

Expires On -

Kevin Mitnick Cyber Security Awareness

Expires On -

Heat Stress Recognition and Prevention

Expires On -

Hazardous Materials in the Workplace

Expires On -

Personal Protective Equipment (PPE)

Expires On -

Personal Protective Equipment

Expires On -

Basic Emergency Bleeding Control

Expires On -

Security Awareness Fundamentals

Expires On -

Internet of Things (IoT)

Expires On -

Internet of Things

Expires On -

Respiratory Protection

Expires On -

Industrial Ergonomics

Expires On -

MEMBERSHIPS

AMERICAN WATER WORK ASSOCIATION

10/21/2018

Issued By -

Expires On -

American Public Works Association

04/01/2020

Issued By -

Expires On -

RESUME



HAMID NIKVAN.PDF

POSTING QUESTIONS AND RESPONSES

QUESTION

KNOCKED OUT STATUS

**Q1. Do you have any relatives currently employed by the City of Cooper City?
If yes, state name and relationship.**

A1. NO

Q2. Have you ever been convicted of any violation of the law, pleaded guilty or nolo contendere, or found guilty of criminal charges, even if adjudication was withheld? If yes, give date, nature of offense, name and location of court, and status/disposition.

A2. NO

Q3. Have you ever been discharged or forced to resign from any job? If yes, explain.

A3. NO

Q4. Do you possess a Bachelor's Degree or higher? If yes, please upload your degree on the first section of the application.

A4. Yes

Q5. This position requires supervisory duties. Do you have supervisory experience?

A5. Yes

Q6. If you have had supervisory experience, how many employees did you supervise and for how long?

A6. 60 For years.

Q7. Do you have a valid Florida driver's license?

A7. Yes

Q8. What is your current salary?

A8. 116000.00 USD

Q9. What is your desired salary?

A9. 125000.00 USD

Q10. Do you have experience with capital planning and project management? If yes, explain.

A10. yes, As an Assistant Director of Environmental Services with over 15 years of private and public operation and senior management experience, I'm directly responsible to provide business and project development services, planning and implementing the Capital Improvement Program, Engineering services, maintaining client contacts, Operations, and Maintenance, Oversee over \$20M budgets, mentor professional staff members, implementation of best management practices, preparation of technical specifications and public bidding documents. Responsibilities included the management of over 30 construction contracts and overseeing budget & operations. The operating units of the Utility consisting of the Water Treatment Plant, Water Distribution, Wastewater Collection, and the Citywide Facilities operation and maintenance are direct reports.

Q11. Do you have a minimum of seven years of progressively responsible experience in a comprehensive public utilities or public works?

A11. Yes

Q12. Do you possess any experience, skills, or qualifications in which you feel should be taken into consideration for the position you are applying for (such as computer skills, knowledge of foreign language, certifications or recognition received?) If yes, explain.

A12. A results-oriented leader specializing in organizational management administration, budget development, personnel leadership, and the successful execution of priority initiatives, projects, and programs. Extensive experience in the design, management, and operations of public utilities. Expert in management of Utility systems, Electrical, SCADA, Control and instrumentation, Building Automation Systems, and Facilities, with invaluable managerial experience. Highly focused with comprehensive knowledge and understanding of various sectors. A consistent track record of successfully employing best business practices that improve efficiency and reduce operating costs whilst increasing productivity by utilizing a Computerized Maintenance Management System (CMMS). From preparing budgets, managing and maintaining assets to implementing reporting procedures, and hiring staff, my background has consistently been characterized by my steadfast commitment to managing fiscal responsibility and achieving municipal objectives.

Q13. Please use this field to provide the phone number and contact name for your current and 2 former employers.

A13. 954-480-4400 - Environmental services Department - City of Deerfield Beach

SELF-ATTESTATION

I certify that I have read and understand the applicant instructions included with this application and that the answers given by me to the foregoing questions and statements made by me are complete and true to the best of my knowledge and belief.

I understand that any false information, omissions or misrepresentations of facts called for in this application, whether on this document or not, may result in rejection of my application or discharge at any time during my employment.

I understand that this application form is intended for use in evaluating my qualifications for employment and that this application is not an offer of employment. I further understand that if hired, my employment will be considered "at-will" and that my employment may be terminated

for any reason, with or without cause or notice, at any time by me or the City of Cooper City and that this application is not intended to constitute a contract of continued employment.

As an applicant for a position with the City of Cooper City, I hereby authorize inquiries regarding my current and past employment record including, but not limited to, dates of employment, attendance, job performance, disciplinary records, and reason for termination. I hereby release you, your organization, or others from liability or damage which may result from furnishing the information requested. You may contact me as indicated should there be any question to the validity of this release. If you are claiming Veteran's Preference, you must include proper documentation (DD214) showing dates of entry, separation and, if disabled, proof of disability benefits. Please inquire with Human Resources for further information regarding Veteran's Preference.

HAMID NIKVAN

09/06/2022

SCREENING

No information available

INTERVIEWS AND EVALUATION

No information available

APPLICATION STATUS HISTORY

STATUS	CHANGED DATE	CHANGED BY
NEW APPLICATION	09/06/2022	

NOTES

No information available

COMMUNICATION HISTORY

EMAIL ON 09-06-2022 08:54:11 AM

From: CITYOFCOOPERCITY.HR@ADP.COM

Subject: Your application for employment with the City of Cooper City has been received

Dear hamidnikvan,

Thank you for your interest in working with the City of Cooper City. We are currently reviewing applications and will be in touch if your experience is a match for the position.

Thank you,
Human Resources
City Of Cooper City

UPLOADED FILES



Cover Letter.docx
