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About Me

Experienced and results-oriented professional in project management and electrical engineering, adept at delivering high-quality, on-time, and cost-efficient projects. Strong background in complex construction ventures, with expertise in integrating electrical systems seamlessly into architectural designs and ensuring compliance with safety and regulatory standards. Skilled in resource optimization, energy-efficient solutions, and cost reduction. Recognized for exceeding client expectations, maintaining safety records, and enhancing organizational reputation. Proficient in procurement, quality control, and risk management, and committed to inspiring teams for outstanding project outcomes. Ready to contribute expertise and drive success in your organization.

Personal Info

- Date of Birth: 29 Aug 1975
- Nationality: Egyptian
- Marital Status: Married
- Driving License: Egypt, UAE, Qatar, KSA, Algeria

Languages

- Arabic: Native
- English: Good

Educational Degrees

Bachelor of Engineering | 2002

- Institution: Helwan University, Egypt
- Department: Electrical Power

Memberships

- Grade A Certification, Ministry of Municipality & Urban Planning, Qatar
- Saudi council of Engineers
- Egyptian Syndicate of Engineers
- Project Management Institute PMI

Work Experience

Site Manager (Contracting)
AL Sharif Group Holding, Saudi Arabia | January 2024 – Now
Project Name: CONSTRUCTION OF AL-YASMEEN 132/13.8kV SUBSTATION # 8214 IN RIYADH CITY
Extensive experience in managing and executing power infrastructure projects.
Certified by the Saudi Electricity Company (SEC).
SEC ID NO. SAP-60133925

Key Responsibilities:

- Full supervision of the construction, operation of a 132 kV substation.
- Coordinating with various teams to ensure adherence to schedules, quality standards, and safety regulations.
- Preparing technical and administrative reports and presenting them to senior management and clients.
- Continuous communication with contractors and consultants to ensure all work is performed according to agreed specifications.
- Ensuring compliance with all environmental and industrial regulations.
- Managing and directing the workforce, providing necessary training and support to achieve optimal performance.
- Monitoring and analyzing the overall performance of the substation and taking corrective actions as needed.

Key Achievements:

- Implemented cost-saving measures resulting in a 10% reduction in project expenses while maintaining high-quality construction standards.
- Enhanced project safety by reducing incidents and ensuring a secure work environment, contributing to a 20% decrease in project-related incidents.

Work Experience

Senior Traction, LPS, LIGHTING Engineer (Consultant)
Hill International, Egypt | September 2021 – September 31, 2023
Project Name: Cairo Monorail Project

1. NCC NEW ADMINISTRATIVE CAPITAL MONORAIL TRANSPORTATION SYSTEM

- Length: 54 kilometers, Number of Stations: 21

2. 6 OF OCTOBER CITY MONORAIL TRANSPORTATION SYSTEM

- Length: 42 kilometers, Number of Stations: 12

Key Responsibilities:

- Played a pivotal role in the execution of the Cairo Monorail Project, which encompassed two distinct lines: the NCC NEW ADMINISTRATIVE CAPITAL MONORAIL TRANSPORTATION SYSTEM covering 54 kilometers with 21 stations and the 6 OF OCTOBER CITY MONORAIL TRANSPORTATION SYSTEM spanning 42 kilometers with 12 stations.
- Led the design and implementation of the electrical and lighting systems for both monorail lines, ensuring compliance with industry standards and project specifications.
- Collaborated closely with a multi-disciplinary team of engineers, architects, and contractors to integrate traction, lighting, and power supply (LPS) systems seamlessly into the monorail infrastructure.

Key Achievements:

- Successfully managed the design, installation, and commissioning of the electrical and lighting systems for both the NCC NEW ADMINISTRATIVE CAPITAL MONORAIL and 6 OF OCTOBER CITY MONORAIL, achieving system functionality within project deadlines.
- Implemented innovative solutions to optimize power consumption, resulting in a 15% reduction in energy costs for the monorail systems.

Project Manager (Contracting)
Zigzag for Contracting, Egypt | June 2018 – August 2021
Project Name: AMW Silo Project.

- General Establishment of 12 metal grain cells with a total capacity of 60 thousand tons, including: (crane tower, main tunnels, delivery pit, truck scale, loading room silos, dust silos, administrative building, mosque, washing room, fire tank, pumps, electricity building, Workshop building, Furnished building, Furnished building, 2 security rooms, Fence, and guard towers)

Key Responsibilities:

- Spearheaded the comprehensive execution of the AMW Silo Project, overseeing the construction of 12 metal grain cells with a collective storage capacity of 60 thousand tons.
- Managed the project from initiation to completion, ensuring adherence to project schedules, budgets, and quality standards.
- Directed a multidisciplinary team of professionals, including engineers, contractors, and support staff, while effectively delegating tasks and providing clear guidance.
- Conducted thorough risk assessments and implemented proactive mitigation strategies to minimize project delays and cost overruns.

Key Achievements:

- Successfully delivered the AMW Silo Project within the predetermined timeframe, surpassing the client's expectations in terms of quality and efficiency.
- Implemented cost-saving measures resulting in a 10% reduction in project expenses while maintaining high-quality construction standards.
- Enhanced project safety by reducing incidents and ensuring a secure work environment, contributing to a 20% decrease in project-related incidents.

Senior Electrical Engineer (As the Consultant)
Tangram Architects and Designers, QATAR | May 2015 - May 2018
Project Name: CONSTRUCTION OF MASJID AND IMAM HOUSE AT VARIOUS LOCATIONS.

- The project is the construction of 7 mosques in different places in Doha.
- These mosques differ in terms of design and size. Beautiful Islamic designs

Key Responsibilities:

- Played a pivotal role in the successful execution of the "CONSTRUCTION OF MASJID AND IMAM HOUSE AT VARIOUS LOCATIONS" project, encompassing the construction of seven distinct mosques located in different areas of Doha, Qatar.
- Oversaw the electrical engineering aspects of each mosque, ensuring compliance with safety standards, local regulations, and design specifications.

Key Achievements:

Work Experience

- Successfully delivered all seven mosques on schedule, each featuring distinct Islamic architectural designs and varying in size, demonstrating adaptability and expertise in catering to diverse project requirements.
- Implemented energy-efficient lighting solutions, reducing the mosques' energy consumption by 20% and lowering operational costs.

Senior Electrical Engineer (As the Consultant)

Tangram Architects and Designers, UAE | Feb 2014 - April 2015

Projects Involved:

- **APARTMENT COMPLEX PROJECT**
  - Description: A residential hotel project located in Al Rawas City, Abu Dhabi, close to the Saudi border. This project was specifically designed to accommodate nuclear power plant experts.
- **EMERGENCY RESPONSE CENTRE PROJECT**
  - Description: The Emergency Response Centre Project is related to the Nuclear Power Plant Project in Al Rawas, Abu Dhabi.

Key Achievements:

- Successfully contributed to the completion of the residential hotel project, offering a comfortable and efficient living environment for nuclear power plant experts.
- Enhanced the design of electrical systems in the apartment complex to provide a secure and inviting atmosphere for residents.

Project Manager (As the Contractor)

MAN INTERNATIONAL CONTRACTING, Algeria | Jan 2012 - Jan 2014

Project Name: Khenchela 60kv

- The project is the construction of a 220 kV electricity transmission line at a distance of 50 km, and another part is ground cables about 13 km

Key Achievements:

- Successfully completed the construction of the 220 kV electricity transmission line and 13 kilometers of ground cables, ensuring the efficient distribution of power within the region.
- Achieved project cost savings of 10% through optimized procurement processes and efficient resource allocation, enhancing the overall profitability for MAN INTERNATIONAL CONTRACTING.

Senior Electrical Engineer (Contractor)

Beijing Emirates International Construction, KSA |December 2010 - December 2011

Project Name: Housing for Jazan (Ramada)

- **Project Description:** The Ramada site project involved the construction of various facilities, including 1000 villas, medical centers, mosques, schools, and a post office, among others.

Electrical Infrastructure Work Overview:

- Power Supply: The project received a 33KV AC, 3-phase, 60Hz power supply from the Saudi Electricity Company (SECO) power network.
- Transformer Room: The power was stepped down from 33KV AC to 400/231V AC in the Transformer Room, which included RMU (Ring Main Unit), Transformer, and MDP (Main Distribution Panel). There were a total of 43 Transformer Rooms on the project.
- Distribution: The power was distributed from the MDP to Mini Pillars for the villas located throughout the Ramada Site using a 33KV AC loop main system.

Consultant Power Supply Engineer

SYSTRA INTERNATIONAL CONSULTING ENGINEERS, U.A.E | May 2007 - November 2010

Project Name: Dubai Metro Project

- **Project Description:** The Dubai Metro Project involved the development of the power supply system for the Dubai Metro. Here's an overview of the electrical system:
- **Power Supply**: 132KV AC, 3-phases, 50 Hz power supply was sourced from the Dubai Electricity and Water Authority (DEWA) power network.
- **Step-Down**: The power was stepped down from 132KV AC to 33KV AC in the main power station (MPS).
- **Distribution**: The 33KV AC power was distributed to the traction power station (TPS) and the primary cabinet room (PCR) along the Dubai Metro mainline through a 33KV AC loop main system.

Site Engineer (As the Contractor)

MAN INTERNATIONAL CONTRACTING, Algeria | July 2003 - December 2006

Project Name: Oran 220kV

Project Description: The Oran 220kV project involved several tasks, including:

- **Ground Wire Replacement**: Removing the existing ground wire and installing OPGW (Optical Ground Wire) while under voltage. This work was carried out over a distance of approximately 100 km for 220kV transmission lines.
- **Rural Electrification**: Additionally, the project included work related to rural electrification.

Courses and Trainings

- **RMP (Risk Management Professional)**
  - Institution: Project Management Institute
- **PMP (Project Management Professional)**
  - Institution: Project Management Institute
- **Control by Contractors Course**
  - Institution: Don Bosco Institute
- **Programmable Logic Controller (PLC) Course**
  - Institution: Don Bosco Institute
  - Description: Course focused on Siemens S7-200 family programmable controllers.
- **Fiber Splice Equipment and Fiber Splicing**
  - Institution: CCS CORNING CABLE SYSTEMS GmbH & Co KG (in Algeria)
- **Installation of Hood Sleeve LH 4/12K**
  - Institution: CCS CORNING CABLE SYSTEMS GmbH & Co KG (in Algeria)

Certificates

Computer Skills

- Microsoft Office Expert
- AutoCAD Electrical
- ETAP (Electrical Transient Analyzer Program)
- MATLAB/Simulink

Key Skills

- Project Management
- Electrical Systems Maintenance
- Preventative Maintenance
- Electrical Engineering
- Construction
- Quality Control
- Risk Mitigation
- Energy Efficiency
- Procurement
- Emergency Response
- Stakeholder Communication
- Safety Compliance
- Equipment Troubleshooting