

Holds a B. Sc. in Electrical Engineering and has over 14 years of experience in the Oil & Gas industry, specializing in electrical systems, maintenance and project management. Adept at optimizing operational efficiency and safety through expert knowledge of industry standards and best practices. Proven track record of successfully leading teams, managing complex projects, and achieving substantial cost savings. Certified in maintenance and reliability, CompEx inspection and project management.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 01/11/1984  
Gender : Male  
Marital Status : Married  
Residence : Mohandeseen, Cairo

## **EDUCATION**

: B. Sc. in Electrical Engineering, Cairo University, 2008

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: Electrical Power System Analysis Software (ETAP)  
: Computer-Based Maintenance Management System (SAP R/3)  
: Primavera  
: Matlab  
: AutoCAD

## **TRAINING COURSES AND CERTIFICATIONS**

: CMRP (Certified Maintenance and Reliability Professional).  
: CompEx Inspector Certification (Ex01, Ex02, Ex03, Ex04).  
: Electrical Safety Rules (ESR) - Petroleum Development of Oman (PDO).  
: Senior Authorized Electrical Person (SAEP).  
: Shell Employees Development & Competency Programs – Shell.  
: SHELL TR-MIE Maintenance & Integrity Execution Program Level 3.

: PMP (Project Management for Oil and Gas) - (AUC).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jun. 2019 till now  
**Employer** : BAPETCO JV (Shell Joint Venture)  
**Project** : Bed-3 field, Egypt  
**Job title** : Electrical Maintenance Team Lead  
**Job Description** :

- Spearheaded the improvement of the Electrical maintenance department's KPI from 72 to 90, resulting in increased operational efficiency.
- Led Hardware Barrier Assessments (HBA) and formulated a comprehensive gap closure plan, achieving 100% compliance with safety standards.
- Developed and updated maintenance plans and the asset register for Sitra field, enhancing asset management.
- Prepared annual budgets of approximately \$350,000 for preventive and predictive maintenance programs and minor projects.
- Organized and conducted technical training programs for all electrical staff, covering ESR, LOTO, and Ex equipment.
- Managed procurement processes, including technical evaluation and commercial bid assessments.
- Key Achievements:
  - Successfully reviewed and managed the start-up of a 12 million high-voltage distribution network project.
  - Oversaw the upgrade of the main low-voltage circuit breakers at the Bed-3 substation, contributing to improved reliability.
  - Executed the medium voltage switchgear upgrade project, saving \$400,000 and enhancing system reliability by 20%.
  - Strategically planned and executed multiple shutdowns, resulting in minimal production downtime.
  - Led 12 plant modification projects, improving overall plant reliability and uptime by 5%.
  - Optimized the execution duration of Bed-3 total shut down by 10%.

**Dates** : From Jun. 2014 till Oct. 2019  
**Employer** : British Petroleum (BP)  
**Project** : West Nile Delta (WND) Project, Egypt  
**Job Description** :

- CompEx Electrical & Instrument Ex-Inspector (part time) (Oct. 2018 – Oct. 2019):
  - Conducted practical training for a team on the installation of Ex equipment.
  - Managed a team of 30 engineers and technicians during construction, ensuring compliance with ATEX standards.
  - Conducted inspection of electrical, instrumentation, and communication equipment, issuing detailed inspection reports.
  - Established and maintained an Ex register for hazardous area equipment.
  - Key Achievements:
    - ❖ Successfully conducted extensive practical training for the

- assigned team, ensuring the achievement of competence levels in Ex equipment installation.
  - ❖ Efficiently managed a team of 30 engineers and technicians during the construction phase, overseeing the installation of all electrical, instrumentation, and communication equipment in strict compliance with ATEX standards for the WND project worth \$12 billion.
  - ❖ Conducted thorough inspections of electrical, instrumentation, and communication equipment, meticulously adhering to standard IEC-60079-17 / IEC 60079-14 for all zones, and issued detailed inspection reports.
  - ❖ Established and maintained a comprehensive Ex register for all Ex-equipment in hazardous areas, contributing to safety and compliance efforts.
- Turnaround - Projects Electrical Maintenance Team Lead (Jun. 2017 – Jun. 2019):
  - Reviewed engineering designs and managed the start-up and commissioning of a \$12 million high-voltage distribution network project.
  - Conducted assessments on low-voltage circuit breakers, leading their upgrade project with a budget of \$150,000.
  - Managed the upgrade of the medium-voltage switchgear at Bed-3 camp, saving \$400,000 and enhancing reliability.
  - Prepared power plans, switching programs, and work packs for shutdowns.
  - Spearheaded 12 plant modification projects to improve overall reliability and production uptime.
  - Oversaw the planning, preparation, and execution of all electrical scope for Bed-3 total shutdown, optimizing execution duration.
  - Key Achievements:
    - ❖ Successfully managed the start-up of a high-value project, ensuring its timely and safe completion.
    - ❖ Improved the reliability and efficiency of electrical systems through strategic upgrades.
    - ❖ Contributed to cost savings and increased reliability through effective project management.
    - ❖ Enhanced the overall production uptime of the plant by 5% through plant modifications and optimization of shutdowns.
- Reliability - Continuous Improvement Team Lead (Jun. 2014 – Jun. 2017):
  - Improved equipment availability to 95% at Bed-3 plant.
  - Led root cause analysis sessions, reducing unscheduled deferment from 4% to 2.7% over 20 months.
  - Restructured daily huddle meetings to improve effectiveness.
  - Maintained asset registers and performance standards for over 20 equipment items.
  - Evaluated RCA reports, equipment strategies, and risk assessments for consistency and compliance.
  - Advised production teams on equipment reliability, unit availability, and mechanical integrity.
  - Key Achievements:
    - ❖ Significantly increased equipment availability and reduced

- ❖ unscheduled downtime.
- ❖ Streamlined daily meetings for better business outcomes.
- ❖ Ensured consistency and compliance in equipment-related procedures.
- ❖ Provided critical insights to production teams, minimizing risks related to equipment reliability.

**Dates** : From Oct. 2015 till Oct. 2016

**Employer** : Khalda Petroleum Company (KPC)

**Job title** : Asset Register and Oracle Implementation (part time)

**Job Description** :

- Developed a comprehensive database for four oil and gas production assets.
- Managed a team of engineers and technicians during the data collection phase.
- Built an asset register in Oracle database, contributing to an early project finish by six months.
- Key Achievements:
  - Successfully developed a complete database for four oil and gas production assets, enabling efficient data management and asset tracking.
  - Managed a team of engineers and technicians during the data collection phase, ensuring accurate and comprehensive data acquisition.
  - Built a robust asset register in the Oracle database, which played a pivotal role in an early project completion, resulting in significant time and cost savings.

**Dates** : From Apr. 2009 till May 2014

**Employer** : ORA

**Project** : Assil & Karam Project

**Job Description** :

- Electrical CSU Team Lead (Jul. 2012 – May 2014):
  - Led the electrical team in delivering a major Shell project worth \$650 million safely and on schedule.
  - Reviewed project documents, drawings, and detailed design packages.
  - Participated in HAZOPs, HAZIDs, technical reviews, and pre-start-up audits as the accountable electrical department representative.
  - Liaised with project engineers, contractors, and operations to ensure seamless project delivery.
  - Developed commissioning strategies and start-up procedures for the project.
  - Key Achievements:
    - ❖ Successfully led a high-value project, ensuring its timely and safe completion.
    - ❖ Ensured project compliance with safety and technical standards.
    - ❖ Played a key role in the project's successful start-up and commissioning.
    - ❖ Demonstrated effective coordination with cross-functional teams.

- Electrical Maintenance Engineer (Apr. 2009 – Jun. 2012):
  - Managed day-to-day electrical activities for the electrical workshop, including preventive, corrective, and predictive maintenance.
  - Supervised a team of 4 technicians in planning and executing shutdowns.
  - Participated in root cause failure analysis, implementing short-term and long-term solutions.
  - Contributed to the commissioning and start-up of the NEAG power station project, valued at \$450,000.
  - Key Achievements:
    - ❖ Ensured the reliability and efficiency of electrical systems through effective maintenance.
    - ❖ Led successful shutdown planning and execution efforts.
    - ❖ Made substantial contributions to problem-solving and prevention.
    - ❖ Played a crucial role in the successful start-up of the NEAG power station.

Skills:

- Programmable Logic Control (PLC).
- Ex Equipment Inspection (CompEx).
- Maintenance and Reliability Practices (CMRP).
- Project Management (PMP).
- Power Plant Operation and Maintenance.
- Root Cause Analysis.
- Control Systems.