**Mahmoud Anwar Kamel**

**Job title: OPERATION & MAINTENANECE LEAD ELECTRICAL ENGINEER**

**Experience**: 23 years (Maintenance and Reliability in Oil & Gas).

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**Email**: [Mahmoud\_eng21@yahoo.com](mailto:Mahmoud_eng21@yahoo.com)

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| PERSONAL PROFILE |

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| Dynamic Lead Electrical Engineer with over 22 years of specialized experience in the oil and gas sector, emphasizing electrical systems and team training. Proven ability to lead maintenance operations and ensure the reliability of electrical equipment through proactive inspections and timely repairs. |

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| QUALIFICATIONS |

**B**achelor of **Sc**ience in Electrical Engineering – Asyut University – Egypt 1995 - 2000

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| KEY RESPONSIBILITIES |

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| * +20 years of experience in Operations & Maintenance’s supervision. * Certified Maintenance & Reliability Professional (CMRP). * Company REP (Responsible Electrical Person). * Company’s Energy Efficiency team member. * Electrical technical authority role. * Training instructor. |

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| TRAINING & CERTIFICATES |

* Managing Shutdowns, TAR - Turnarounds & Outages planning. ENPPI; Dec 2024
* **Certified Lead Auditor** ISO 50001:2018 - Energy Management System - March 2024
* **Certified Maintenance & Reliability Professional** – **CMRP –** Nov 2022
* **CompEx Certified** for Ex01 - Ex04, certificate no.64679
* Energy efficiency development program 2022.
* Personal skills (in American Chamber of Commerce in Egypt) 2022:-
* Change Management, Communication skills, Presentation Skills
* Strategic management, Business Email Writing 
* Electrical Network Protection Diploma Level I/II (Schneider Electric). 2018
* LV / MV switches board’s equipment knowledge and use. **Schneider Electric May 2010**
* (ESP) Electrical submersible pumps & surface equipment. **Schlumberger-REDA-2009**.
* Turbine Control Panel–HMI (Speed Tronic Mark V) Operation & maintenance.

GE, **Nuovo Pignone, Florence, Italy 2007**.

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| **RECENT CAREER HISTORY** |

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| **2020 to now** | LEAD ELECTRICAL ENGINEER(Assistance General Manager) | **PhPC Petroleum Company**  **EGYPT** |

**Joint Venture Company Egypt & BP:**

* Monitoring the proper implementation of Reliability and Maintenance strategy, updating the objectives and goals to align with company mission.
* Monitoring and managing contactor’s performance indicators, addressing any deviation against contract T&C, thus achieving excellence and helps in optimizing decisions.
* Proficient in utilizing MAXIMO CMMS for effective asset management, work order tracking and preventive maintenance scheduling. Skilled in leveraging MAXIMO’s reporting tools to analyze data, identify trends, and optimize operational efficiency.
* Maintenance TAR manager: ensure facilitating maintenance (Electrical, instrument and mechanical disciplines) activities, supporting TAR Team for timely delivery of the TAR program in accordance with the agreed TAR Plan.
* Monitoring and following up Contractor’s detailed electrical engineering.
* Provide guidance to Projects and construction teams on assembly of electrical items with reference to international standards and ATEX directive. Compiling Ex registers and client database. Ensuring verification of all installed EX equipment databases.
* Provides the necessary support to ensure the safety of personnel and equipment.
* Conducts and directs regular audits including risk assessments and safety reviews.
* Plan, directs and supervise electrical engineers and supervisors of electrical team in maintaining facilities to meet all target key objectives with a focus on improved reliability, availability and performance.
* Daily site-leadership visibility audit to ensure TBT (Tool Box Talks) are in-place.
* Member of energy efficiency team. Participated in ISO50001-certification process.
* Participation with task force team to improve & optimize inventory management system.
* Conducting self-verification audit as per company plan to ensure work management system is effective, record and deviation and report to site general manager.
* **ELECTRICAL TECHNICAL AUTHORITY ROLE:**

1. Participation with Management of Change (eMOC) process to develop effective engineering solutions through technical reviewing & co-ordination with engineering.
2. Provide technical support for installation, construction, pre-commissioning activities.
3. Support the fields operations & maintenance management teams in the assessment of design bottlenecks, deviations from standard and maintenance deferrals, developing risk mitigations and producing technical reports where appropriate.

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| **2021 to 2022** | TRAINING INSTRUCTOR | **TÜV SÜD MIDDLE EAST L.L.C**  **EGYPT BRACH** |

* Providing CompEx preparatory training and applications for **E**lectrical **E**quipment in **H**azardous **A**rea (EEHA), including theory and practical using and installations.
* Providing training in electrical safety and HV systems for Basra Oil Company employees.
* Providing training in electrical safety roles and 11 KV isolation practices for

Polyserve group (Abu Zaabal Fertilizer & Chemical Co.), in addition to, doing assessment of their electrical power system to determine the area of improvement.

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| **2019 till 2020** | ELECTRICAL ADVISOR | **PETROFAC**  **BASRA, IRAQ** |

**Joint Venture Company BP, BOC & Petro-China:**

* Electrical Authorization process ownership & Switching Procedures Development.
* CAM roles (Contract account manager): coordinate the resolving of operational issues, act as an interface between BOC (Basra Oil Company) and contractors, working to improve processes and strive for workflows that are more efficient.
* Authorized Elec Isolator / Senior Authorized Elec Person Competency assessments.
* Developing the electrical maintenance scope of work and reviewing of maintenance, routines and make recommendations on improving.
* Reviewing/updating equipment’s MWI (maintenance working instructions) to enhance maximum plant availability and Integrity of equipment
* Review equipment spare parts requirements, holdings of materials and special tools.

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| **2011 to 2018** | ELECTRICAL TEAM LEADER | **PhPC Petroleum Company**  **EGYPT** |

**Joint Venture Company Egypt & BP:**

* Responsible for electrical maintenance activities for gas generators, instrument air compressors, power transformers, UPS, induction motors and electrical substations in production facilities.
* Participate in updating the Work Management system of maintenance (WMS project), the project was relevant to reviewing and updating job tasks in Maximo to enhance operational efficiency and data accuracy.
* Participate in preparing and implement Maintenance Strategy and advise best practices.
* Performs as Electrical engineer for projects and plant modifications from Front End Development through execution / commissioning and start-up. Past work experience should entail but not limited to, technical support for operation and maintenance of Electrical equipment, in addition to selection and specification of Electrical equipment.
* **EPC project** reviewing/updating engineering design study, documentations and relay coordination study for WHX project ended with reviewing systems handover packages.
* **EPC projec**t reviewing/updating engineering design study, documentations and relay coordination study for the new expansion project.
* TAR coordinator: Coordination between Maintenance personnel, Engineering & Projects to ensure on time TAR readiness. Ensure TAR work-packs readiness without any missing for turnarounds.
* Responsible for preparing/updating/approving the isolation procedures of MV/LV SWGs.
* Performing technical bid evaluation.
* **EX Equipment’s:**
* Participated in improving Ex equipment’s maintenance program via a big project for explosion proof equipment systems registering.
* Providing training sessions to installation and inspection teams where required and ensure they are fully aware of ATEX/IEC requirements
* Develop the inspection checklists for various grades of inspections ( Visual , Close and Detailed ) according to IEC 60079-17 and engineering best practices

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| **2017 - 2018** | E&I lead Ex Inspector | **BP – WND**  **EGYPT** |

* Inspection of E&I EX equipment’s in GIZA FAYOUM site as part of plant refurbishment for the new project of BP at West Nile delta-WND, in addition to specifying the recommend replacements if required
* Preparing technical report for the inspected equipment including photos for findings.
* Provide guidance to construction teams on assembly of electrical items with reference to international standards and ATEX directive
* Ensuring verification of all installed EX equipment databases.
* Provide training sessions to installation and inspection teams where required and ensure they are fully aware of ATEX/IEC requirements.
* Leading the reviewing of new installations quality of instrumentation & electrical equipment
* Develop the inspection checklists for various grades of inspections according to the relevant standard and engineering best practices
* Develop and manage Hazardous area equipment register.
* Participated in improving Ex equipment’s maintenance program via a big project for explosion proof equipment systems registering

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| **2002 to 2011** | ELECTRICAL SECTION HEAD | **Suez Oil Company**  **EGYPT** |

**Joint Venture Company Egypt & RWE:**

* ESP, Electrical Submersible Pumps (Schlumberger-REDA): participated in installation project of three offshore wells, followed by commissioning and start up. Maintenance and troubleshooting for VFD panel and transformers.
* Responsible for electrical maintenance activities for gas turbine power generators, 4 gas lift compressors’ motors (2 MW), 3 water injection pump motors (1.6 MW), de-salters, power transformers, UPS, induction motors, emergency diesel generators and electrical substations in production facilities.
* Participate in major overhauling and TAR of gas turbines, frame 5, and included supervision of electrical overhaul activities, review spare parts list and perform daily activities reports.
* Provide field support for work execution of critical equipment. Take part in the coordination meetings with Operations for the follow up of critical equipment failures and associated repair programs.