**Ibrahim AbdelMohsen Elsaid**

Talaat Harb St, Elwessam Tower No 28 | 42523, Port Said, Port Fouad, Egypt

iabdelmohsen@yahoo.com | +201063710637

**PROFILE**

Electrical & Instrumentation Lead Engineer possess over 10 years of experience in the field of inspection, installation, commissioning, maintenance and repair in O&G industry

Intensive experience in ATEX directives for electrical installations in potentially explosive atmospheres and hazardous areas, supported by ATEX competency certificate

Maintenance and Reliability professional with track record of projects participations from basic design to commissioning & start-up as a subject matter expert in E & I engineering

Working with biggest BP JV companies added enormous expertise due to exposure to multi-tasks, multinational company environment and different assignments in each company.

**SKILLS**

* Electronic, Pneumatic, Hydraulic Inst.
* Control, On/Off & Safety relief Valves
* Distributed Control System (DCS)
* Emergency Shutdown (ESD)
* Basic Process Control System (BPCS)
* Integrated Control & Safety System (ICSS)
* Process Automation System (PAS)
* Advanced Process Control (APC)
* Fire & Gas detection systems (F&G)
* Safety Instrumented system (SIS)
* Programmable logic controller (PLC)
* Remote Terminal Unit (RTU)
* SCADA , HMI & Alarm Management
* Wellhead Control Panels (WHCP)
* Chemical Injection Systems
* Rotating Equipment & Compressors
* Process Safety (HAZOP, LOPA, SIS)
* I & C Relevant Standards (API 14C, ISA S84,IEC 61508 /61511/ 60079,BS,EN & NFPA)
* EX Inspection & Hazardous area classification (COMPEX & ATEX)
* SIL verification & Validation
* Procurement & technical bidding
* Shutdown and Turnaround (TAR)
* Projects & Engineering
* FEED, detailed design & EPC
* Brownfield and greenfield projects
* Strategic Planning
* Engineering & Projects
* Onshore & Offshore
* FAT, SAT ,Commissioning & Start-up
* Risk Assessment & Process Safety
* Root Cause Failure Analysis (RCFA)
* 5-whys, FMEA, FMECA, FTA, MTBF, MTTR & RCM
* Defect Elimination & Bad Actors list
* Maintenance & Asset Management
* Preventive & Predictive maintenance
* Risk Based Maintenance (RBM)
* Risk Based inspection (RBI)
* Maintenance Optimization
* Asset Integrity Assurance
* QA/QC & Quality assurance
* IEC 61131-3 programming
* On Job (OJT) & Classroom Training
* CMMMS (MAXIMO)
* Quality Management systems
* Total Plant Reliability Management (TPRM)
* Overall Equipment Effectiveness OEE

**ACHIEVEMENTS**

* Developed effective inspections procedures ( Visual , Close and detailed ) for hazardous areas electrical equipment in compliance with international standards , OEM’s guidelines and company maintenance strategy
* Succeeded in slashing Maintenance Cost by 30 % after developing Effective Plant Maintenance Optimization program without jeopardizing reliability
* Embraced Reliability Centered Maintenance Strategy implementation within instrumentation & control discipline and helped other disciplines in proper implementation
* Drive cultural change to maintenance continuous improvements , specifically in the areas of reliability centered maintenance and defect elimination
* Promoted & Developed Safety Critical Equipment SCE identification policy

**CERTIFICATES**

* Certified TUV Functional safety engineer (TUV-Certified ID 5045/12)
* Certified Hazardous Area ATEX Inspector (CompEx JT Limited- Certificate No 34911)

**EXPERIENCE**

**Pharaonic Petroleum Company (PhPC) 2015-Present**

**Maintenance & Reliability Section Head - Electrical & Instrumentation**

* Manage and lead root cause failure analysis investigations for significant production losses and critical asset failures , follow up mitigating actions , apply the Defect Elimination program and champion reliability improvement initiatives
* Drive cultural change to improve maintenance effectiveness, specifically in the areas of reliability centered maintenance and defect elimination ( RCM Facilitator)
* Review, analyze and modify the on-going maintenance strategies and routines according to periodic equip. criticality analysis , FMECA and RCFA mitigating actions
* Conduct reliability analysis to identify chronic reliability problems ( bad actors) & eliminate defects in a systematic way

**Bechtel- West Nile Delta WND Project - Part Time 2015-Present**

**E& I lead QA/QC Inspector - ATEX Certified**

* Review E & I project deliverables to ensure full ATEX/IEC compliance
* Provide guidance to construction teams on assembly of electrical items with reference to international standards and ATEX directive
* Provide training sessions to installation and inspection teams where required and ensure they are fully aware of ATEX/IEC requirements
* Provide counsel to team on E&I and ATEX design practices and standards
* Lead inspection team in reviewing new installations quality of instrumentation, electrical, Fire & Gas and telecommunication equipment in Hazardous areas.
* Develop the inspection checklists for various grades of inspections ( Visual , Close and Detailed ) according to IEC 60079-17 and engineering best practices
* Ensure that Hazardous area classification documents are updated with minor and major project modifications
* Produce repair plans for defects found and remedial work of the electrical equipment
* Develop and manage Hazardous area equipment register

**Pharaonic Petroleum Company (PhPC) 2011-2015**

**Senior Instrumentation and Control Maintenance Engineer**

* Maintenance Management: maintenance activities leadership and management, discipline assets maintenance strategy development, maintenance procedures updates, shutdown and turnarounds planning, major breakdowns direct supervision, historical reliability data analysis and annual budgets control.
* People Leadership: contractor candidate selections, annual performance review, development plan, technical coaching, on job training (OJT), training requirement review and development plans, Maintain active working relationship.
* Contractor Management: Day to Day Activities Supervision, required resources identification and contract provider’s performance evaluation.
* Spare Parts Management: inventory list and stock levels periodic review, spare items proper identification, proposing alternative parts and securing obsolete spares, proposing new sources of supply, technical bid evaluations.
* Risk Management: safety culture development , HSE audits , incident reporting, equipment risk assessments, Maintenance tasks risk assessments, risk based work selection, hazardous identifications, ensure Equipment safe operation are recognized.
* Projects support : participate in FAT, SAT, HAZOP, LOPA, design reviews, SIL verifications, project studies, executions, pre-commissioning and commissioning
* Risk Management: safety culture development , conduct HSE audits , incident reporting, equipment risk assessments, Maintenance tasks risk assessments, risk based work selection, hazardous identifications, ensure Equipment safe operation are recognized.
* Departmental Inter relationship: liaise with operations to perform maintenance tasks risk assessments and identify opportunities for performing maintenance activities.
* Projects support: participate in FAT, SAT, HAZOP, LOPA, design reviews, SIL verifications, project studies, executions, pre-commissioning and commissioning.

**Gulf of Suez Petroleum Company (GUPCO- BP JV), Egypt 2006- 2011**

**Instrumentation and Control systems Maintenance Engineer**

* Maintenance Executions : Perform Maintenance tasks (Preventive PM , Corrective CM, Breakdown BR and condition based maintenance CBM) , Support and Follow-up the implementation of the maintenance plans, Close plant/platform support where required to address breakdowns at an early stage and operations technical support
* Spare Parts ordering: Identify critical spares, Min/Max Stock levels for smooth operations, provide replacements for obsolete items and cooperate with procurement department to get the quotation of the recommended spare parts.
* Documentations: ensure that asset register include all discipline equipment and keep discipline documentation updated with minor and major modifications.
* Safety Compliance: ensure that all maintenance activities are performed as per company’s policy and regulations.

**EDUCATION**

* Bachelor degree in Electronics and Communication Engineering

Suez Canal University, August 2006

**MEMBERSHIPS**

* ISA ( International Society of Automation )
* ASQ (American Society of Quality )

**TRAINING**

* Reliability Centered Maintenance RCM
* Root Cause Failure Analysis RCFA
* Maintenance Management Best Practices
* System 800xA Safety – AC 800M High Integrity Configuration and Maintenance T309
* System 800xA with AC 800M Engineering –T315C- Part 1 control builder
* System 800xA with AC 800M Engineering –T315H –Part 2 Human system interface
* Safety Instrumented Systems SIS lifecycle
* Computerized Maintenance Management System CMMS MAXIMO 7.2
* Maintenance and inspection of Explosion proof equipment
* TUV-Functional Safety Certification course
* Business Writing Training
* ABB 800xA system Basic configuration-T314
* Subsea Awareness course

**LANGUAGES**

* Arabic : Native
* English : Fluent

**PERSONAL DETAILS**

* Date of Birth : 05/09/1984
* Place of Birth : Egypt
* Nationality : Egyptian
* Religion : Muslim
* Passport No : A06233480
* Notice Period : 1 Month