

Holds a B. Sc. in Mechatronics Engineering and has over 12 years experience in the Oil & Gas industry gained through working in various onshore assets for Shell/BAPETCO in Egypt. Theoretical and practical knowledge in applying industrial standards such as DEP and ATEX in oil and gas projects. A certified Ex Inspector from CompEx (JTL) with hands-on experience in WND/British Petroleum (BP) project. Experienced in promoting and ensuring compliance with Health, Safety and Environment (HSE), and Service Quality (SQ) standards, practices and guidelines.

## **PERSONAL DATA**

Nationality : Egyptian  
Gender : Male  
Residence : Nasr City, Cairo

## **EDUCATION**

: B. Sc. in Mechatronics Engineering, Ain Shams University, 2008

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: CMMS "Computer Based Maintenance Management System" (SAP R/3)  
: Primavera

## **TRAINING COURSES AND CERTIFICATIONS**

: COMPEX Course (Ex01, EX02, EX03, EX04) Certificate No. 60266.  
: TUV FS Engineer (Safety Instrumented Systems) Certificate No. 5474/17.  
: Shell Employees Development & Competency Programs "Complete Competency tasks" HSE & Technical tasks.  
: SHELL TR-MIE Maintenance & Integrity Execution Program Level 3 (Professional SAP user).  
: PMP course (project management for oil and gas).  
: Triconex PLC.  
: Instrumentation and process control.  
: Control Valve Engineering.  
: Foxboro DCS I/A series.

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Mar. 2017 till now  
**Employer** : BAPETCO JV (Shell Joint Venture), Main Office, Egypt  
**Job title** : Instrument Section Head Engineering Dept.  
**Job Description** :

- Technical Focal Point for Bed3 Control System Upgrade from Foxboro Spec 200/ Pepperl+Fuchs Relay Logic ESD system to ICSS with around 2000 I/O including Hot Oil heaters, Shipping Pumps Machine Monitoring System Upgrade (Field Equipment's & Bentley Nevada 3500 System upgrade), Fire & Gas System Upgrade. Project Cost 4 Million \$.
- Preparation of Construction scope, Work packs and management of site activities.
- Participate in Developing the overall ICSS Strategy.
- Managing SIL Reviews and Alarm Management Studies.
- Participate in Developing BAPETCO PCD/IT Cyber Security Policy and managing self-assessments in line with the Shell PCD / IT Security Standard.
- Facilitate design reviews / Alarm Management Studies.
- Reviewing all Engineering Deliverables from Schneider Team & Coordinate with BAPETCO Operation/Maintenance for comments.
- Participate in creating the control narrative of Bed3 Plant.
- Acting as BAPETCO focal Point during FAT & SAT.
- Manage Bed3 Total shutdown from Loops Checks Till C&E verification.

**Dates** : From Oct. 2018 till now (part time)  
**Employer** : British Petroleum (BP)  
**Project** : West Nile Delta (WND) Project, Egypt  
**Job title** : CompEx Electrical & Instrument Ex-Inspector  
**Job Description** :

- Carried out extensive practical training for assigned team on installation of Electrical/Instrument equipment's for 6 months prior to construction to ensure the competence levels are achieved.
- Carried out all Inspection electrical, Instrumentation & Communication equipment in accordance to standard IEC-60079-17 / IEC 60079-14 for all zones and issued detailed inspection reports.
- Created/maintained an Ex register for all Electrical/Instrument equipment in hazardous areas.

**Dates** : From Dec. 2014 till Mar. 2017  
**Employer** : BAPETCO JV (Shell Joint Venture)  
**Project** : Bed-3 Field, Egypt  
**Job title** : Instrument Maintenance Senior Engineer  
**Job Description** :

- Carry out troubleshooting ESD & DCS system (Triconex & Foxboro I/A system).
- Team member in the MIE (Maintenance Execution & integrity Assurance) assessment in all BAPETCO Fields.
- Participate in updating Instrument Work packs during major Shutdowns & Overalls.
- Skilled level in safety critical element identification, performance

standard and measurement assurance.

- Work Preparer, Scheduler and Executer in CMMS (SAP system) as a super user.
- Embed the 5 why and fish bone methodology as root cause failure analysis tolls across BAPETCO fields.
- Focal Point for Instrument Dept. in total shutdown Critical activities.
- Participate in the ICSS Hardware & Software Factory Acceptance Tests (FATs).
- Supervise and approve ICSS installation as part of Site Acceptance Test (SAT).
- Supervise and approve ICSS power-up and Pre-commissioning as part of Site Acceptance Test (SAT).
- Supervise and approve Cause & Effect testing / Process Control Narrative testing.

**Dates** : From Feb. 2012 till Dec. 2014  
**Employer** : BAPETCO JV (Shell Joint Venture)  
**Project** : Assil & Karam Project (Project Cost 450 Million \$)  
**Job title** : Operations Readiness & Assurance Instrument Engineer  
**Job Description** :

- Field assistance and supervision in construction phase for equipment installation, Pre-Commissioning, Commissioning and Start-up.
- Provide technical support for commissioning activities of Upgrade/New Projects as required.
- Asset Register (SAP) including CO2 Removal Plant (CRP) Hierarchy Construction Electronic Spare Parts and Interchangeability Record (E-SPIR).
- Participate in reviewing the Operation and Maintenance Manuals for the new Plant.
- Participate in reviewing the Pre-commissioning Manuals, and share in preparing the Commissioning procedures.
- Hazard and Operability study (HAZOP), then prepare operating procedure to close outstanding items.
- Participate in the Safety Integrity Level study for the new Plant (SIL).

**Dates** : From Feb. 2009 till Feb. 2012  
**Employer** : BAPETCO JV (Shell Joint Venture)  
**Project** : Bed-3 Field, Egypt  
**Job title** : Maintenance Instrument Engineer  
**Job Description** :

- Carry out calibration for Foxboro spec200 single loop controller, analogue computer of gas measuring (multiplier/divider/square root).
- Carry out troubleshooting of ESD system (Pepperl+Fuchs) logic and safe guarding system.
- Calibrate and repair the condition monitoring systems for all types of rotating equipment.
- Carry out Maintenance, troubleshooting and configuration for all field devices from Foundation Field Bus devices to Pneumatic Devices.