

Holds a B. Sc. in Mechanical Power Engineering and has about 8 years experience working in construction, operation and commissioning.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 30/06/1991  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2015

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: AutoCAD 2D & 3D  
: Matlab  
: Inventor  
: Naviswork  
: UNICCS: Unified Construction to Commissioning System  
: GTP-JC: Great Tool for Piping – Joint Control

## **TRAINING COURSES AND CERTIFICATIONS**

: H2S course, authorized from GS E&C.  
: Lock-Out & Tag-out (LOTO), authorized from GS E&C.  
: Electronic PTW (PERMIT TO WORK) course, authorized from ERC.  
: Training at Petrogas (2014).  
: Trainings at Alexandria Iron and Steel (2011 & 2013).

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Nov. 2019 till now  
**Employer** : EPROM  
**Project** : ERC Refinery, Mostorod  
**Job title** : Operation Engineer  
**Job Description** :

- Follow-up and coordination between the Operation and Maintenance Department.
- Follow up on chemical consumption in all utility units and the tankage area, and coordinate with the supplier.
- Turnaround preparation: site serve, safe work plan, blind list marked up P&ID, method of statement, estimation of sludge, weekly report.
- Extensive knowledge in operating Utilities units (Raw water, Demi water, waste water, cooling water, plant air, air dryer, nitrogen unit, boiler).
- Maintain personal safety and the safety of others.
- Maintain safe working area.
- Ensure compliance with company quality management policies.
- Maintain plant conditions within safe operating and environmental limits.
- Monitor the condition and performance of process and equipment.
- Record information on process and equipment conditions.
- Change equipment operation to meet production plans, as requested by area manager.
- Complete checks and tests for start-up.
- Diagnose and correct problems in field that affecting process conditions.
- Prepare equipment for maintenance.
- Communicate information on process conditions as required throughout shift and during handover.
- Identify incidents, hazardous conditions or emergencies.
- Isolation plans designing & de-isolation.
- Installation of Locks and Tags.
- Electronic control of work Permits.
- Participate in chemical loading activities.
- Detect, solve and report any abnormalities or malfunctions in the equipment or facilities in order to maintain plant reliability.
- Participate in sample collections for analysis and plant performance monitoring.
- Prepare, follow-up and report maintenance activities of the equipment and facilities.

**Dates** : From Jul. 2017 till Nov. 2019  
**Employer** : GS E&C  
**Project** : ERC Refinery, Mostorod  
**Job title** : Commissioning Engineer  
**Job Description** :

- Maintain personal safety and the safety of others.
- Maintain safe working area.
- Monitor the condition and performance of process and equipment.
- Record information on process and equipment conditions.
- Change equipment operation to meet production plans, as requested by Panel Operator.

- Complete checks and tests for start-up.
- Diagnose and correct problems in field that affecting process conditions.
- Communicate information on process conditions as required throughout shift and during handover.
- Prepare equipment for maintenance (tanks, pumps, mixer....).
- Maintain records of material received and distributed, gauge readings, pumping time, and storage dates.
- Patrols tank farm area to inspect pumps, motors, valves and piping connection.
- Draw samples from tanks and send it to laboratory to analyze.
- Coordinate with other process units to send and receive material.
- Measuring the depth of oil in storage tanks by using dipping tape.
- Tank's mixers start-up and operation.
- Experience in operation of Different Utilities Units.
- Remarkable knowledge of commissioning, Pre-Commissioning and Start up Activities.
- Extensive Knowledge of different water treatment techniques.
- Initial startup for RAW & DEMI WATER.
- Perform stroke test for dosing chemical pump (check PRV).
- Mechanical Run Test (MRT) for pump, Steam turbine commissioning & Start-Up.
- Carry out maintenance activity for rotating equipment such as bearing replacement for motors, pumps and blowers.
- Performed field vibration tests for existing or new equipment.
- Preparing and Participate in All Pre-commissioning Procedures as internal inspection for equipment and Boxing Up & Chemical Cleaning & Lube oil Flushing & Sensitive Leak Tests & service test & Soda boiling.
- Perform Flushing Activities (Air Blowing & water flushing).
- Perform Hydro Test & Flange Management activities for pipe lines and Trim Valves & piping re-instatement (Material check, Alignment, Torqueing, and RF Checking).
- Establishment Punish listing, Walk down & line tracing.
- Make Internal Inspection for Columns & Cooling Towers & Tanks.
- Contribute at Catalyst loading activities for Pressure Swing adsorbing (PSA) at hydrogen Production Unit (HPU).
- Contribute at Sand Filters & Activated Carbon Filters Loading activity at Raw Water Treatment Unit.
- Commissioning Permit Receiving & issuing authority.

<b>Dates</b>	:	From Mar. 2016 till Feb. 2017
<b>Employer</b>	:	Intermaint Energy Co.
<b>Project</b>	:	Al-Burullus 4800MW Combined Cycle Power Plant - SGT 5 - 8000H
<b>Job title</b>	:	Construction & Commissioning Site Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Prepare issued for construction drawings and schedules.</li> <li>• Review erection manuals, Specifications, 3D model delivery schedules and P&amp;ID design for All mechanical systems.</li> <li>• Prepare project reporting systems (Progress - Daily, Weekly, Monthly).</li> <li>• Prepare and review lifting plans for critical lifting activities.</li> <li>• Prepare Mechanical Method Statements. Risk Assessments and Inspection Test Plan.</li> </ul>

- Prepare and follow up technical reports Non-conformance reports (NCR), Request for Information (RFI). Site Observation Notice (SON) and coordinate with Construction and Engineering teams to find the solutions.
- Distribute and control all Engineering Deliverables Issued for Construction (IFC) Drawings to Site teams.
- Prepare Weld map, Welding books, Test Packages, Marked-Up P&ID and Check list for Piping and complete the final P&ID checks prior to turnover.
- Preparing punch list for construction team.

**Field of experience :**

- 8 years' experience in Mechanical, E-PERMIT, operations and commissioning of Refinery & Power Plants, also pre-commissioning, commissioning, start-up & operation of plant with committed exposure in Quality, Reliability, Safety & Environment, and Training & Development.
- Areas of expertise: Pre-Commissioning - Commissioning & Start-up - Review of Procedure - Risk Assessment (QRA) - Risk Management - JSA - PSSR - Chemicals Handling/Storage - Working at Height and Fall Protection - Leadership - People Management - Boilers operation - Compressors operation - water treatment.