

**107017-ELE-1COS-E-2013**  
**Mechanical Commissioning & Operation Engineer**

Holds a B. Sc. in Electrical Power Engineering and has about 4 years hands-on experience working in construction, operation, commissioning and start-up.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/10/1989  
Gender : Male  
Marital Status : Single  
Residence : Heliopolis, Cairo

## EDUCATION

: B. Sc. in Electrical Power Engineering, New Cairo Academy - High Institute of Technology and Engineering, 2013

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD  
: Revit

## TRAINING COURSES AND CERTIFICATIONS

: Commissioning and Start-up of New Project Mechanical Equipment (Oil & Gas), AUC (2019).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Nov. 2017 till now  
**Employer** : ORASCOM CONSTRUCTION  
**Project** : WEST ASSIUT CCPP 1500MW:  
Consists of 8 Gas Turbines (base load 125MW for each), 8 HRSGs (HP and LP) and 2 steam turbines divided to 2 modules, every module consists of 4 gas turbines and HRSGs to supply a steam to Steam Turbine (Combined Cycle) with a BOP separated for each module.  
**Job title** : MECH. COMM. & COMM. OPERATION ENG.

**Job Description** : • MECH. COMM. SCOPE OF WORK:

- DEMIN FILLING SYS.
- DEMIN TRANSFER SYS.
- CLOSED COOLING SYS.
- CONDENSATE SYS.
- FEED WATER SYS.
- WASTE SYS.
- SERVICE PUMPS.
- DRAIN SYS.
- ACC SYS. (AIR COOLED CONDENCER).
- VACUUM SYS.
- LUBE, LIFT AND SEAL OIL SYSTEMS.
- GENERATOR'S HYDROGEN SUPPLY SYS.
- HRSG'S PASSIVATION, PRESERVATION & STEAM BLOW.
- ACC HOT CLEANING AND PRESERVATION.

• BESIDE PREPARING AND FOLLOWING UP PUNCH LIST WITH QC, SOLO. AND MECH. RUN TESTS, PREPARING & EXECUTE FLUSHING PROCEDURES AND EQUIP. LUBRICATIONS.

• COMM. OPER. SCOPE OF WORK:

- G.E MARK E6.
- DCS (BOP).
- FIELD (BOP & HRSG).

**Dates** : 2017

**Employer** : EL SEWEDY PSP

**Project** : Beni Suef 4800MW Combined Cycle Power Plant  
(the biggest power plant in the Middle East and it will be the world's biggest gas-fired combined cycle power plant complex when fully-operational in 2017, capable of providing electricity to approximately 15 million Egyptians)

**Job title** : Commissioning, Start-up & Operation Engineer

**Job Description** : SCOPE OF WORK:

- Water treatment station.
- Air compressor building (instrument & service lines) Comm. & operation.
- Heat exchanger.
- Cooling towers.
- Firefighting sys. Comm. & Operation for Skid.
- Temporary water intake pumps.
- Raw water intake (permanent pumps).
- Service water pumps.
- Travelling screen and trash rack.

**Dates** : From 2015 till 2016

**Employer** : EL SEWEDY PSP

**Project** : Beni Suef 4800MW Combined Cycle Power Plant  
(the biggest power plant in the Middle East and it will be the world's biggest gas-fired combined cycle power plant complex when fully-operational in 2017, capable of providing electricity to approximately 15 million Egyptians)

**Job title** : Electrical Construction Engineer

- Job Description** :
- Supervise subcontractor's work including: material inventory, following up 2 weeks look-ahead schedule and material arrival.
  - Managing and controlling subcontractor's manpower, planning work, disbursing material, solving site issues and providing them with all information that they need.
  - Arranging weekly meetings to discuss progress and issues.
  - Sending daily reports, RFI (request for info.), RFA (request for apply) and IR (inspection request).
  - Assign a work permits as ERFC (Engineer responsible for company).
  - ACHIEVEMENTS (HANDING OVER ECC'S):
    - Construction Power and Emergency.
    - Earthing and secondary Earthing sys.
    - Cable Trays.
    - Fire Alarm: (gas detection & fire detection) CO2 and hydrant systems.
    - Emergency Push Button systems.

Skills:

- Good knowledge of AC/DC motors, water pumps and valves.
- Good knowledge of PMP.