

Holds a B. Sc. in Mechanical Power Engineering and has over 6 years hands-on experience working in operation and commissioning.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 28/07/1988  
Gender : Male  
Marital Status : Married  
Residence : Giza, Cairo

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Helwan University, 2011

## LANGUAGES

Arabic : Native Language  
English : Excellent

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: AutoCAD

## TRAINING COURSES AND CERTIFICATIONS

: Refineries commissioning and start-up of mechanical equipment at AUC.  
: Basic course of the Operation and maintenance of gas turbine – Attaqa, Egypt.  
: Basic course of the Operation (SPPA-T3000) and maintenance of gas turbine – Nuernberg, Germany.  
: Basic course of the Operation of Combined Cycle Power Siemens gas Turbine (SGT5-8000H).  
: AutoCAD 2D  
: Engine motor maintenance.  
: HVAC design and maintenance.

## CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2019 till Aug. 2019  
Employer : ELSEWEDY-PSP

**Project** : Beni Suef Combined Cycle Power Plant (4800MW)  
**Job title** : Warranty Engineer  
**Job Description** :

- Responsible for sending problems and breakdowns of PSP equipment to suppliers and follow-up with them.
- Executing all maintenance work if possible under owner supervision for all PSP equipment in the plant.

**Dates** : From Oct. 2018 till Apr. 2019

**Employer** : ELSEWEDY-PSP

**Project** : Beni Suef Combined Cycle Power Plant (4800MW)

**Job title** : Mechanical Commissioning Engineer

**Job Description** :

- Commissioning for Electrolytic Hydrogen Plant (2x15 N M<sup>3</sup>/Hr.).
- The plant consists of:
  - 12 Electrolyses cells.
  - Gas holder 6.3 m<sup>3</sup>.
  - Two P.D compressors.
  - Purifier.
  - Two Dryers.
- Commissioning Duties:
  - Pre-commissioning for all plant auxiliaries (air lines, water lines, demin. water lines).
  - Filling KOH Tank and then filling cells.
  - Leak test for Gas holder, H<sub>2</sub> lines and O<sub>2</sub> lines.
  - Rotation check for compressors.
  - Start-up plant with increase Ampere gradually to 6000A and follow-up all parameters (temp., leakage, H<sub>2</sub> purity...etc.).

**Dates** : From Aug. 2016 till Oct. 2018

**Employer** : EL-SEWEDY PSP

**Project** : Beni Suef (Egypt) CAPP 4800MW:

- 8 SIEMENS Gas Turbines SGT5- 8000H (8x400MW).
- 8 NEM Heat Recovery Steam Generations (HRSG).
- 4 SIEMENS steam turbines SST-5000H (4x400MW).
- Water treatment plant produce DM water, Service water, Filtrate water and potable water.
- Water Fire fighting system.
- Service water pumps.
- CO<sub>2</sub> firefighting system.
- Fuel gas system has 5 gas compressors with Aux. systems.

**Job title** : Mechanical Commissioning & Operation Engineer

**Job Description** :

- Worked as a Commissioning Engineer for SGT5-8000H, 8 NEM HRSG boiler and Steam turbine and after finishing my commissioning duties I joined to working as an Operation Engineer.
- Commissioning Duties:
  - Receiving the systems from QC.
  - Perform rotation check and solo run test for all motors of all pumps (boiler feed water pumps, circulate pumps, condensate pumps, polishing pumps, lube oil pumps, lifting oil pumps, HCO pumps,

- hydraulic oil pumps, fuel oil pumps and closed cooling pumps).
- Perform flushing for oil system and water system..
- Perform chemical cleaning and steam blowing for HRSG.
- Air blowing for all pneumatic medium.
- LOTO & PTW Issuer.
- Operation Duties:
  - Shift Charge Engineer for all BOP equipment.
  - Responsible for monitoring and ensuring the efficient operation of the equipment like: (service water pumps, raw water pumps, instrument air compressors, feed water pumps, water circulation pumps, condensate pumps, polishing pumps and water treatment plant).
  - Field Engineer on 8 NEM HRSG and 4 SIEMENS steam turbines SST-5000H (4x400MW).
  - Follow up the NEM boiler before start-up and during operation from the field like (during filling LP drum, IP drum and HP economizer and monitoring all steam control valves and follow up the boiler Preservation process by nitrogen for long period shutdown).
  - Safe Start-up & shutdown procedures for gas turbines SIEMENS (8x400MW - 8000H).
  - Handle emergency incidents (Fire, Gas leak, Unit trip etc.) and ensure emergency plans and procedures are adhered to comply mostly with company Health, Safety and Environment as well as Work Permit, policies and procedures.

- Dates** : From Mar. 2015 till Aug. 2016
- Employer** : EL-SEWEDY PSP
- Project** : ATTAQA SIMPLE CYCLE POWER PLANT 4x165MW (Fast Track Project):
- 4 SIEMENS gas turbines SGT5-2000E.
  - Hydro clearance optimization system (HCO System).
  - Closed cooling water system.
  - Alfa Laval fuel oil treatment skid.
  - Water Fire fighting system.
  - CO<sub>2</sub> Fire fighting system.
- Job title** : Mechanical Commissioning & Operation Engineer
- Job Description** : Worked as a Commissioning Engineer for SGT5-2000E and after finishing my commissioning duties I joined to working as an Operation Engineer.
- Dates** : From Apr. 2013 till Mar. 2015
- Employer** : Allmed for medical devices manufacturing
- Job Description** :
- Maintenance Engineer for plastic injection machines.
  - Quality Engineer (IQ, OQ, PQ and FMEA for all machines).
- Field of experience** :
- Over 6 years experience in the power station projects and manufactories field as the following:
    - Beni Suef Combined Cycle Power Plant (4800MW) by Siemens.
    - Attaqa Simple Gas turbine (4x165MW) by Siemens.
    - Allmed for Medical Devices Manufacturing.
  - Dealing with SPPA-T3000 hardware and software (control system

Toolbox) including training courses as SGT5-2000E, Siemens gas turbine about "Operations (DCS), Alarms and gas turbine parts.

- Worked in many positions in power plant field like commissioning, operation and warranty.