

Holds a B. Sc. in Mechanical Power Engineering and has about 9 years hands-on experience working in operation, commissioning and start-up at Power Stations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 26/09/1982
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Benha University, 2007

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Revit

TRAINING COURSES AND CERTIFICATIONS

: Gas Turbine operation systems training, Belfort – FRANCE (2013).
: Gas Turbine & Generator Operations, Cairo Electricity Production Company, Power Plant Training Center.
: Gas Turbine Generator operation & maintenance, Techint.
: Gas Compressor, Techint.
: Balance of Plant operation training, MARK VIe DCS functional Design, GE.
: Operating Heat Recovery Steam Generators (HRSG), NEM & STF.
: Operating Reheat Steam Turbine, Alstom & Ansaldo.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2013 till now
Project : Giza North Project:

- 3 modules, 6 GE Gas Turbine 9FA, 6 Heat Recovery Steam Generators (HRSG) manufactured by STF, 3 Steam Turbines manufactured by Ansaldo
- Job title** : Start-up, Commissioning & Operation Engineer
- Job Description** :
- First of all a good DCS operation abilities.
 - GE combustion gas turbine 6x250MW type 9FA commissioning, start-up, performance, reliability tests and operation.
 - STF six HRSGs commissioning, start-up, performance, reliability tests and operation.
 - Ansaldo steam turbines 3x250 commissioning, start-up, performance, reliability tests and operation.
 - BOP commissioning, start-up and operation.
 - Medium (6.3KV) and low (400 v) voltage switchgear.
 - 500/220KV GIS operation.
 - Attending of construction, start-up, commissioning, first energize for the transformers.
 - Safe operations for high, medium & low voltage switch gear & load centers.
 - Perform safety work permit system.
 - Operation of firefighting system.
 - Reading logic & check if it needs some modification according to operating requirements.
 - Helping owner in operation & abnormal situations as much as I can in order to keep the whole plant & employees working in safe & secure conditions.
 - Achievement: Reliability run for the power plant is finished (6 Gas turbines & 3 Steam turbines).
- Dates** : From Mar. 2011 till Jun. 2013
- Employer** : CEPC
- Project** : Cairo North Power Station
- Job title** : Shift Charge Operation Engineer
- Job Description** :
- Dealing with the unit trip conditions or HRSG trip conditions even the unit is in simple cycle mode or in combined cycle mode.
 - Decide the isolation procedure for the gas turbine, HRSG, or the steam turbine in outage for inspection or overall maintenance.
 - Writing reports about troubles and decide the isolation procedure for the equipment in case of maintenance during normal operation according to safety operation rules.
 - Dealing with 220KV circuit breakers with the national dispatch center.
- Dates** : From Jan. 2008 till Jun. 2011
- Employer** : CEPC
- Project** : Cairo South Power Station
- Job title** : Shift Operator Engineer
- Job Description** :
- Erection, commission, start-up, combustion inspection and operation gas turbine engineer for (GE 9FA).
 - Start-up and operation for HRSGs.
 - Commissioning & start-up and operation of steam turbines (cold start & warm start & hot start).

- Start-up and operation all auxiliary systems (service water, closed cooling water, Circulating water, compressed air...etc.).
- Check and operation for field equipment (valves, pumps ...etc.).
- Participated in steam blow test for the heat recovery steam generators and all related constructions (it's the most important test for HRSG Before starting).
- Responsible for site acceptance tests (cleaning, commissioning and Function tests) for HRSGs & STEAM TURBINE and their associated auxiliaries.
- Perform the steam blow-out activities for HP steam & HRH & CRH steam & LP steam lines.
- Perform the chemical cleaning according to procedures for condensate system & feed water system.
- Attending of construction, start-up, commissioning, first energize for the transformers.
- Safe operations for high, medium & low voltage switch gear & load centers.
- Perform safety work permit system.
- Operation of firefighting system.
- Excellent knowledge of DCS systems.