

Holds a B. Sc. in Production Engineering and has about 7 years hands-on experience working in operation and start-up at Sidi Krir Power Station.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 23/04/1988  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## EDUCATION

: B. Sc. in Production Engineering, Alexandria University, 2010  
: Secondary Education: El Abassya Military School

## LANGUAGES

Arabic : Native Language  
English : Fluent  
French : Fair

## COMPUTER SKILLS

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

## TRAINING COURSES AND CERTIFICATIONS

: Trainings at:

- Alexandria National Refining and Petrochemicals Co. (ANRPC) (2009).
- United Arab Company for shipment and unloading (2009).
- Abu Qir for industrial engineering (2008).
- Unilever Ergonomic Project in Knorr Factory (2008).
- Alex. for petroleum industries (2007).
- Abu Qir Electrical Power Plant (2006).

: Training program that covered: presentation skills, leader ship, time management & self planning.

: Mechanical maintenance (2010).

- : Egyptian Welding Academy:
  - Welding technology & metallurgy (Jul. 2009).
  - NDT METHOD: liquid penetrate testing (Jul. 2009).
  - NDT METHOD: magnetic particle testing (Jul. 2009).
  - NDT METHOD: ultrasonic testing (Feb. 2010).
  - NDT METHOD: radiograph testing (Feb. 2010).
- : A training course on the realization of the fire and rescue (Civil Protection Department).
- : Electric ARC welding (2009).
- : Programming and operating CNC machines (2009).
- : Solid Works program (certified from department of Production Engineering, Faculty of Engineering, University of Alexandria).
- : ICDL (endorsed by Ministry of Communications & Information Technology - UNESCO - Egypt).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2010 till now
- Project** : Sidi Krir Power Station Combined Cycle
- Job title** : Operating Engineer
- Job Description** :
- Monitoring parameter & keeping them under limits, maintaining the load provided by regional load dispatch centre & most importantly is keeping the unit live-avoiding unnecessary tripping, handing out permits to maintenance personnel for carrying out major or minor maintenance activities, and ensure the work is done on time & permit gets closed.
  - Responsible for operating and monitoring two gas turbines (GT Mitsubishi M701F), steam turbine (ANSALDO ENERGIA RH-TCDF 43), heat recovery steam generator boiler (HRSG boiler NEM) & Auxiliaries that serves GTs & STG.
  - Identify operational problems by observing & studying system functioning & performance results.
  - Read charts, meters, & gauges to monitor voltage & electricity flow.
  - Start or stop generators, turbines, & other equipment as necessary.
  - Prepare for emergencies or potential disasters.
  - Keep records of switching operations & loads on generators.
  - Detect & isolate malfunctioning equipment.
  - Scheduling maintenance & repair for machinery & equipment.
  - Creating & submitting reports or needs for new equipment & replacement of old ones.
  - Ensure everything is operating smoothly & efficiently.
  - Control & maintain auxiliary equipment such as fans, pumps, compressors & condensers.
  - Distribute power among generators, regulate the output from several generators & monitor instruments to maintain voltage & regulate electricity flow from the plant.
  - Control & monitor boilers, turbines, generators & auxiliary equipment.
  - Receive outage calls and call in necessary personnel during power outages and emergencies.
  - Make adjustments or minor repairs, such as tightening leaking gland and pipe joints; report any needs for major repairs.

- Open and close valves and switches in sequence upon signals from other workers, in order to start or shut down auxiliary units.
- Analyze and record instrument readings and equipment malfunctions.
- Performing necessary checks before equipment start-up.
- Identifying problems that happened at operation.
- Delivering reports that include machines condition.
- Analyzing periodical data collected weekly.
- Making temporarily start-up & shutdown for equipment.