

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 8 years hands-on experience working as Electrical Engineer at Sidi Krir Combined Cycle Power Plant. Has full knowledge of drawings and electrical wiring of distribution, control systems and familiar with IEC, ANSI or IEEE and Egyptian standards.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 14/09/1987  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Alexandria University, 2009

## LANGUAGES

Arabic : Native Language  
English : Excellent  
German : Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point, Access), Internet  
: YOKOGAWA CENTUM CS3000 DCS system  
: Basic and C Languages for Microcontroller programming  
: Zelio (PLC simulation for Siemens and other manufacturers...)  
: AutoCAD  
: Dailux (Lighting Design)  
: Protel (PCB design)  
: ETAP (short circuit calculations)  
: MATLAB & Simulink

## TRAINING COURSES AND CERTIFICATIONS

: TOEFL Local Certificate from Alexandria University Community Development Center.  
: Uninterruptable Power Supply (UPS) course by Gutar.  
: DC and Inverter systems course by Gutar.

- : Areva SF6 Generator circuit Breaker training course by Areva.
- : AutoCAD Electrical Training Course by (WDEPC), Abu Qir Power Plant Training Center.
- : Operations and Instructions of the Egyptian Unified Power Grid by WDEPC, Abu Qir Power Plant Training Center.
- : PLC Course on Siemens step 7 200 PLC (84%) by DON BOSCO.
- : Pneumatic and Electro-pneumatic Course (82%) by DON BOSCO.
- : H2 Production Station Operation and Maintenance course by Spirare Co.
- : Steam turbine Generator Operations and Maintenance training course by Ansaldo Energia Co.
- : Basic Operations of Gas Turbine and Auxiliaries training course by Mitsubishi Heavy Industry MHI.
- : Operations of Heat Recovery steam Generator (HRSG) training course by NEM.
- : Training Program of pumps by EBARA.
- : DCS CENTUM CS3000 R3 Course by YOKOGAWA (A +).
- : Fire Fighting and rescue training by (CPD) Civilian protection department.
- : PIC Microcontroller and Embedded systems design.
- : AutoCAD Course.
- : Two Levels (Start Deutsch 1) in GOETHE Institute.
- : Four Levels (English) in the International British Institute (IBI).
- : Master ICDL in the International British Institute (IBI).
- : Participation Certificate in the IEEE's 7th Egyptian Engineering Day (EED) (Cairo, Jul. 2008) with a project (Automatic Train Control System).
- : Summer trainings at:
  - West Delta Electricity Production (WDEPC), Abu Qir Power Plant (2007).
  - Ameriya Petroleum Refinery Company (A.P.R.C) (2008).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2010 till now
- Project** : Sidi Krir Combined Cycle Power Plant
- Job title** : Electrical Engineer
- Job Description** :
- Participate in electrical works related to construction and commissioning of the Gas turbine and steam turbine units in Sidi Krir Combined Cycle Power Plant.
  - Working on protection systems, Control operations and maintenance work of EHV/HV substations, generators, transformers, DC systems, inverters (UPS) and electrical auxiliaries in Sidi Krir 750MW Combined Cycle Power Plant units as:
    - Gas Turbine Generator 350 MVA / 21KV hydrogen cooled with static excitation system and beckwith protection devices (M3425-A) for generator and (M3310) for excitation transformer.
    - Steam Turbine Generator 340 MVA / 15.75KV hydrogen cooled with static excitation system and MICOM (P141 and P345) protection devices.
    - Generator Protection Relays (MICOM, SIEMENS and ALSTOM devices).

- Transformer Protection relays (MICOM, SIEMENS devices).
- GIS 500KV substation by Siemens with (Siemens SIPROTEC protection devices).
- Medium Voltages Switchgears (6.3KV) Schneider SF6 type circuit breakers with Sepam protection devices.
- Schneider 400 v Load centers and Motor Control Centers (MCC) with Micrologic protection devices.
- Main transformers 300 MVA / 21/500KV oil immersed off load tap changer by Areva with Siemens Seprotec Protection devices.
- Auxiliary transformers 300MVA / 6.3KV oil immersed on load tap changer by Areva with Siemens Seprotec Protection devices.
- Mitsubishi Emergency Diesel Engine-Generator set.
- H2 production station.
- Gutar 125 V Battery Chargers and DC system.
- Gutar Inverters (UPS).
- HVAC systems.