

Holds a B. Sc. in Electrical Power Engineering and has over 12 years hands-on experience working as DCS Control Room Operator Engineer.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/06/1984  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## EDUCATION

: B. Sc. in Electrical Power Engineering, Alexandria University, 2008

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: MS Visio  
: AutoCAD 2D & 3D  
: Visual Basic, C language & data structure  
: Special Electrical Programs:

- DIGSI 4 Siemens software for SIPROTEC digital protection relay
- Proteus (design and simulation of electric circuit)
- Electronic work bench (design and simulation of electric circuit)
- Dialux (Lighting design program)
- PowerX (perform of short circuit calculation and design of power system equipment)
- E-tab (perform all calculation needed for electrical power system)
- Logo (PLC program)
- Matlab (GUI & power system analysis)

## TRAINING COURSES AND CERTIFICATIONS

: Siemens trainings:

- Upgrade steam turbine system from TXP to SPPA-T3000.
- Upgrade Steam Turbine Controller cabinet from Symadein to Addfem.

- Upgrade steam turbine protection panels bearing vibration, over speed and Fail safe.
- : At Abu Qir Training Center:
- Steam power plants operation and maintenance.
  - Water treatment in steam power plants.
  - Multi stage flashing Desalination.
  - Transformer maintenance and protection.
  - Generator maintenance and protection.
  - Siemens digital protection relay SIPROTEC 4.
  - PLC Step7 advanced training.
- : Summer trainings at:
- Abu Qir Electricity Station (Jul. 2006).
  - Abu Qir Fertilizers & Chemical Industrial Co. (Aug. 2006).
  - Abu Qir Electricity Station (Jul. 2007).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From 2018 till now  
**Employer** : [EGYPTROL](#), AC Boilers Subcontractor  
**Project** : West Damietta 750MW (4x125MW GE Gas turbine 9E through Mark Vie Control system + 4 HRSG AC Boiler + 1x250MW Ansaldo Energia Steam turbine through Symphony plus ABB control system)  
**Job title** : DCS Control Room Operator Engineer

**Dates** : From Feb. 2016 till Jul. 2017  
**Employer** : [EGYPTROL](#), Hyundai Heavy Industry Subcontractor  
**Project** : JSTPP (Jeddah South Thermal Power Plant) supercritical (Drum less boiler) (4x723MW – HFO/HCO & DFO), KSA  
**Job title** : DCS Control Room Operator Engineer  
**Job Description** :

- Safe operation of supercritical boiler (2350 ton/hr of steam).
- Safe operation of steam turbine and it's auxiliary.
- Safe operation for whole unit and auxiliary.

**Dates** : From Jun. 2014 till Feb. 2016  
**Employer** : Doosan Heavy Industries and Construction Company  
**Project** : EL AIN EL SOKHNA Supercritical (Drum less boiler) Thermal Power Plant (2x650MW – Natural gas & Mazout oil fire)  
**Job title** : DCS Control Room Operator Engineer  
**Job Description** :

- Observe and interpret readings on gauges, meters and charts registering various aspects of boiler operation at all modes of boiler (wet, dry) modes to ensure that boilers are operating properly.
- Test boiler water quality or arrange for testing and take necessary corrective action, such as adding chemicals to prevent corrosion and harmful deposits.
- Activate valves to maintain required amounts of water in boilers, to adjust supplies of combustion air, and to control the flow of fuel into burners.
- Monitor boiler water, chemical, and fuel levels, and make adjustments to

maintain required levels.

- Analyze problems and take appropriate action to ensure continuous and reliable operation of equipment and systems.
- Maintain daily logs of operation, maintenance, and safety activities, including test results, instrument readings, and details of equipment malfunctions and maintenance work.
- Adjust controls and/or valves on equipment to provide power, and to regulate and set operations of system.
- Switch from automatic to manual controls and isolate equipment mechanically and electrically to allow for safe inspection and repair work.
- Perform or arrange for repairs, such as complete overhauls, replacement of defective valves, gaskets, or bearings, or fabrication of new parts.
- Start-up, Shutdown and Normal Operation for the whole boiler...
- Safe operation of supercritical boiler (2092/2166 ton/hr of steam):
  - Boiler master.
  - Combustion air system.
  - Auxiliary fans system.
  - Boiler recirculation pump.
  - Temperature control system.
  - Enthalpy control.
  - Gas recirculation system.
  - Fuel consumption system.
  - Burner management system.
  - Water steam analysis system.
  - Fuel additives system.

<b>Dates</b>	:	From Dec. 2008 till Jun. 2014
<b>Employer</b>	:	Egyptian Electricity Holding Company
<b>Project</b>	:	SIDI KRIR Thermal Power Plant (2x320MW – Natural gas & Mazout oil fire)
<b>Job title</b>	:	DCS Control Room Operator Engineer
<b>Job Description</b>	:	Start-up, Shutdown and Normal Operation for the whole unit: <ul style="list-style-type: none"><li>• Safe operation of boiler Babcock &amp; Wilcox (1032 ton/hr of steam).</li><li>• Safe operation of Auxiliary boiler (45 ton/hr of steam).</li><li>• Safe operation of Re-boiler systems.</li><li>• Safe operation of Hydrogen production station (15 m3/hr).</li><li>• Safe operation of Steam turbine (SIEMENS) 320MW and its auxiliaries.<ul style="list-style-type: none"><li>- Lubricating oil system.</li><li>- Seal oil system.</li><li>- Condenser vacuum system.</li><li>- Extraction &amp; drain systems.</li><li>- Control oil system.</li><li>- Seal steam system.</li><li>- Evacuation water box system.</li><li>- Generator cooling systems.</li></ul></li><li>• Safe operation of auxiliary systems.<ul style="list-style-type: none"><li>- Closed cooling water system.</li><li>- Condensate water system.</li><li>- Compressed air system.</li><li>- Service water system.</li><li>- Feed water system.</li><li>- Circulating water system.</li></ul></li></ul>

- Responsible for operation to Desalination plant (flashing multi stages 2 x 5000 ton/ day).
- Responsible for operation to fire fighting system.
- Deal with (G.I.S - gas insulation switchgear 500KV).
- Deal with (G.I.S - gas insulation switchgear 220KV).
- Deal with low voltage equipment (6.3KV & 400V).
- Deal with generator, transformer and motor digital protection relay.
- Safe operation, protection & maintenance of Diesel generator (1.25MW).
- Preparing Safety Permits, Work orders for the whole unit.

**Dates** : From Jul. 2008 till Dec. 2008  
**Employer** : Muti-Tech for generality contracts  
**Job title** : Electrical Design & Maintenance Engineer