

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 13 years hands-on experience working in operation, commissioning and start-up at Cairo West Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 13/12/1985
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2008

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: MS Project Planner
: AutoCAD 2008 (2D & 3D)
: Matlab
: Adobe Photoshop & PLC Programming
: Web Design

TRAINING COURSES AND CERTIFICATIONS

: At Cairo West Power Station Training Center:

- "KKS" identifying coding system for power stations.
- Operation & Maintenance of Steam Power Station.
- Operation & Maintenance of Steam Turbine.
- Maintenance of Steam Generator (Boiler).
- Maintenance of pumps system.
- DCS Control System for Steam Power Plant.
- Maintenance of Fuel oil and natural gas systems.
- Maintenance of Closed cooling system.
- Unit equipment protection.

: Offshore training in Italy in AC BOILER Co.

- : ICDL
- : Summer trainings:
 - Cairo West Thermal Power Plant (2005).
 - Egyptian Electricity Transmission Company, Economy Dispatch Center (2006).
 - Arab Contractors for Electrical Industries (ABB Arab), 10th of Ramadan City (2006).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2009 till now
- Employer** : Cairo Electricity Production Co. (CEPC)
- Project** : Cairo West Power Station:
 - 2 units SIEMENS Steam Turbine & Generator (MCR: 357MW).
 - 2 units HITACHI Steam Boilers (MCR: 1030 t/hr, MN Steam Press. 175 bar).
 - Operation Modes: Coordinate, Sliding Pressure, Constant Pressure.
 - Natural Gas & Fuel Oil Firing Systems.
 - 2 Emergency Diesel Generators (2.5MW each).
- Job title** : Shift Operation Engineer
- Job Description** :
 - Operating Engineer for steam power plant (2x330MW).
 - Prepare the Preventive Maintenance (PM) schedule.
 - Prepare the Corrective Maintenance (CM) work orders.
 - Open and direct the maintenance work orders.
 - Isolate and insure the equipment which needing a maintenance.
 - Direct operating all equipments when unit in service.
 - Direct operating the unit from cold or hot start.
 - Insure the unit equipments when unit trip.
 - Direct and organization the employers.
 - Direct stopping unit.
- Dates** : From 2019 till now
- Employer** : Cairo Electricity Production Co. (CEPC)
- Project** : Cairo West Power Station 1E (650MW):
 - 1 unit super critical boiler (AC BOILER) its steam capacity is 2034 t/hr.
 - "DOOSAN TURBINE of main steam pressure 243 bar.
 - Operation Modes: COORDINATE, BOILER FOLLOW, TURBINE FOLLOW.
 - Natural Gas & Fuel Oil Firing Systems.
- Job title** : Commissioning & Start-up Engineer
- Job Description** :
 - Commissioning Engineer for steam power plant (1x650MW), DCS control.
 - Carry out all commissioning tests for the boiler, turbine and aux equipment's:
 - Combustion test.
 - Temperature test.
 - Load swing test.
 - Fuel oil lines flushing.
 - Direct operating the unit from cold or hot start.

- Direct all curves behavior of operation.

Dates : From Jan. 2011 till Jun. 2011
Employer : BABCOCK HITACHI Co.
Project : Cairo West Power Station (units 7 & 8):

- 2 units HITACHI Steam Boilers (MCR: 1030 t/hr, MN Steam Press. 166 bar).
- "YOKOGAWA" DCS Control System.
- Operation Modes: Coordinate, Boiler Follow, Turbine Follow.
- Natural Gas & Fuel Oil Firing Systems.

Job title : Commissioning & Start-up Engineer
Job Description :

- Commissioning Engineer for steam power plant (2x350MW), DCS control.
- Carry out all commissioning tests for the two boilers:
 - Combustion test.
 - Temperature test.
 - Load swing test.
 - Fuel oil lines flushing.
 - Direct operating the unit from cold or hot start.
 - Direct all curves behavior of operation.