

Holds a B. Sc. and a Diploma in Electrical Power & Machines Engineering and has about 16 years hands-on experience in operation, maintenance, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/11/1978
Gender : Male
Marital Status : Married
Residence : Dakahlia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2002
: Diploma in Electrical Power Engineering, Mansoura University, 2009

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Linux
: Autodesk AutoCAD
: Autodesk Maya
: Automation Studio
: Matlab
: Adobe Photoshop

TRAINING COURSES AND CERTIFICATIONS

: OGS TRAINING IN PETROBEL:
• H2S.
• PTW.
• LOTO.
: GE Gas Turbine Training (France).
: Water treatment (Metito) (Germany, Switzerland, Italy).
: At Talkha Power Station Training Center:
• Unit operation (cold and hot start).

- Unit emergency shut down.
- Unit trip (How to treat with).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2018 till now
- Employer** : ANSALDO ENERGIA (AE)
- Project** : 6-OCTOBER Power Plant ADD-ON
- Job title** : AE OPERATION ENGINEER
- Job Description** :
- Responsible for readiness of unit components to be in service regarding all auxiliaries:
 - Four (4) ANSALDO CALDAIE (AC) HRSG (HORIZONTAL HRSG).
 - One (1) 350MW AE Steam Turbine (HP & LP).
 - Air Cooled Condenser (ACC).
 - WATER SYSTEM TREATMENT (ECOLUTIA SERVICE).
 - Scope of responsibility:
 - Review System P&ID and schematics.
 - Commissioning and start-up unit and all auxiliaries.
 - Flushing for all system (lube oil, CCW, firefighting ...etc.).
 - Rotation check & solo run test & alignment and load test for pumps.
 - Steam blow process.
 - Survey in field for more check and confirmation of safe operation of equipment.
 - Start-up, operation, remarking alarms of units from DCS (Emerson Ovation) in control room and solve operation problems.
 - Observe trend and take necessary action to keep healthy operation of unit.
 - Conducting all preparation steps of units in field to realize permissive for start-up.
 - Coordination between all contractors to obtain operate the plant at safe mode, economic and stability.
 - Coordinate between different maintenance/Installation activities and operation activates.
 - Coordination with G.I.S to energize & de-energize of high voltage transmission line from plant switchyard to Network.
 - Prepare of daily trouble shouting report for the unit equipment.
 - Open work permit to fix any problems (hot, confined space and operation work permit).
 - Lock out, tag out for all equipment if required.
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- Dates** : From Jan. 2018 till Oct. 2018
- Employer** : GE
- Project** : New West Damietta Power Plant ADD-ON
- Job title** : TOP Engineer
- Job Description** :
- Responsible for Turn Over Package regarding:
 - Four (4) 125MW GE Gas Turbines.

- Four (4) DOSSAN HRSG (HORIZONTAL HRSG).
- One (1) 250MW GE Steam Turbine (HP & LP).
- Air Cooled Condenser (ACC).
- Scope of responsibility:
 - Review System Binders.
 - Make System Walk Down with Commissioning Team.
 - Record Punch items.
 - Release NOCC after Punch Items been released.
 - Prepare the Vendor Documents.
 - Clear all Punch Items before handed over to the end user.

Dates : From Aug. 2017 till Dec. 2017
Project : ZOHR ONSHORE DEVELOPMENT PROJECT
Job title : Electrical Engineer
Job Description : SCHNEIDER AUTHORIZED ISOLATOR (AI):

- LOTO system installation.
- Make ICC's (Isolation confirmation Certificate).
- Isolation plan coordination.
- PTW coordination.

Dates : From Jul. 2011 till Jul. 2017
Employer : Middle Delta Electricity Production Company
Project : Banha Power Station
Job title : Electrical Engineer
Job Description :

- GIS 220KV (Hyundai):
 - Testing and commissioning of 220KV GIS switchgear.
 - Testing and commissioning of power transformers (Double and Tertiary winding).
 - Switchgear interlock and operational test.
 - Arrange and held training courses (program and content) to new maintenance and operational engineer on 220KV GIS switchgear and 6KV switchgear.
 - Closed loop check.
 - Stability test.
 - Control and relay panel scheme checking and red marked/As Built drawing preparation testing of auxiliary relays.
- Gas turbine (GE):
 - Testing and commissioning of 250MW Generator (Rotor, Stator, GTE, LCI compartment, Excitation compartment, AC reactor, DC reactor, PEECC, Auxiliaries, LCI transformer and excitation transformer).
 - Control and relay panel's scheme checking.
- Steam turbine (Ansaldo Energia):
 - Testing and commissioning of 250MW Generator (Rotor, Stator, Excitation compartment, Auxiliaries, Excitation transformer).
 - Marshaling panel scheme checking.

- Arrange and held training courses (program and content) to new maintenance and operational engineer and the new technicians on Steam turbine generator and auxiliaries.
- Medium switchgear & Low Voltage load center (Schneider Electric):
 - Testing and commissioning of 6.3KV switchgear (CB, Control center transformer).
 - Testing and commissioning of 400 V MCC.
 - Control and relay panel's scheme checking.
- Protection and control testing:
 - Line feeder protection panel's scheme and function check.
 - Transformer protection panel's scheme and function check for 15.75KV and 220KV.
 - AVR panel scheme check.
 - Generator protection panel's scheme and function check (GPP).
 - Bus Bar protection panel's scheme and function check.
 - CB 6.3KV protection panel's scheme and function check.
 - DC scheme, trip circuit and trip circuit supervision check.

Dates : From Jan. 2010 till Jun. 2011
Employer : [EGYPTROL](http://www.egyptrol.com), Seconded to TOSHIBA Plant Systems & Services Corporation
Project : Sidi Krir Combined Cycle Power Station 750MW (2x2x1)
Job title : Operation Engineer
Job Description :

- Commissioning and start-up unit and all auxiliaries related to two MHI GT and one ANSALDO ST (CCW pump, CW pump, FW pump, Service water pump, instrument and service compressors, etc...).
- Ensure readiness of all MCC, SWGR CB and Transformers for start-up without any alarms.

Dates : From Dec. 2008 till Dec. 2009
Employer : Middle Delta Electricity Production Company
Project : Talkha Power Station
Job title : Electrical Maintenance Engineer
Job Description :

- Maintenance of all LV & MV Motors and transformers.
- Rehabilitation of LV Bus-bar and rewire power and control cable to and from loads (Fire Damage).
- Maintenance of old excitation system for generator and prepare full study for renewing the excitation system.
- Renewing all 6KV circuit breaker and share in modification of signal terminal.

Dates : From Mar. 2006 till Dec. 2008
Employer : Middle Delta Electricity Production Company
Project : Talkha Power Station
Job title : Shift Charge Engineer
Job Description :

- Supervision of all plant operation.

- Coordination between all maintenance departments.
- Coordination with G.I.S. to energize & de-energize of high voltage transmission line from plant switchyard to network.
- Organizing the training of operators on auxiliaries and local equipment's.
- Prepare of daily troubleshooting for the unit equipment.

Dates : From Mar. 2003 till Feb. 2006
Employer : Middle Delta Electricity Production Company
Project : Talkha Power Station
Job title : Operation Engineer
Job Description :

- Shift Charge Engineer.
- Boiler Operator Engineer with boiler capacity 670 ton/hr (water tube).
- Start-up and shutdown of Boilers, Steam Turbines, Generators, Transformers Sets and their Auxiliaries Safety.
- A.C. Generators and Transformers with their Auxiliaries (H2 Cooling System) & Switchgears, Switchyard, etc.....
- Start-up units and solve the trouble shouting.
- Figure out reading and reporting for any trouble.
- Train the new hiring engineers and operation technicians.