

Holds a B. Sc. in Mechanical Power Engineering and Master of Engineering in Steam Power Plant. Has over 9 years hands-on experience working as DCS Control Room Operator and Commissioning Engineer at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 20/05/1983
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2007
: Master of Engineering in Steam Power Plant, 2015
: Secondary Education: Advanced Industrial Technical School Diploma (5 years), 2002

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2D & 3D
: Matlab
: Engineering Equation Solver (ESS)

TRAINING COURSES AND CERTIFICATIONS

: TOEFL Certification from Faculty of Arts, Alexandria University (Jun. 2015).
: Pump Maintenance (in EAAC Center) (Feb. 2007).
: Lubrication (in EAAC Center) (Jan. 2007).
: AutoCAD (in EAAC Center) (Mar. 2007).
: At Abu Qir Training Center:

- Steam power plants operation and maintenance.
- Water desalination (MSF).
- Vibration Analysis.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2017 till now
Project : SIDI KRIR Power Plant (750MW Combined Cycle)
Job title : Control Room Operator
Job Description :
 - 2 HMI Gas Turbines, 250MW each.
 - One Ansaldo Steam Turbine 250MW with HP, IP and LP turbine.
- Dates** : From Feb. 2016 till Jul. 2017
Project : EL AIN EL SOKHNA Supercritical (Drum Less Boiler) Thermal Power Plant (2x650MW - Natural gas & Mazout oil fire)
Job title : Commissioning Engineer
Job Description :
 - Observe and interpret reading on gauge, meter, and charts registering various aspects of boiler operation at all modes of boiler (wet, dry) modes to ensure tat 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.
- Dates** : From Dec. 2008 till Feb. 2016
Project : SIDI KRIR Thermal Power Plant (2x320MW – Natural gas & Mazout oil fired)
Job title : DCS Control Room Operator
Job Description : Start-up, shut down and normal operation for the whole unit:
 - Safe operation for 2 x 5000 ton/day MSF desalination plant.
 - Safe operation for Main Boiler (Babcock & Wilcox) (1032 ton/hr, 166 bar, 538 °C) and it's auxiliary systems:
 - Combustion air system.
 - Gas re-calculating system.
 - Flame scanner system.
 - Fuel (Natural gas & mazout) system.
 - Soot blower system.
 - Atomizing steam system.
 - Safe operation for Turbine processes e.g.:
 - Vacuum preparations.
 - Seal oil system.

- Seal steam system.
- Lube oil system.
- Control oil system.
- Safe operation of auxiliary systems:
 - Condensate water system.
 - Circulating water system.
 - Closed cooling water system.
 - Feed water system.
 - Service water system.
 - Compressed air system.
- Safe operation for hydrogen generation plant (15 m³/hr).
- Electrical Analysis for de-mineralized water ((DC power – 9000 amps – 9.2 volts) to 4 cells connected in series).
- Re-boiler and auxiliary boiler steam system.

Dates : From Jul. 2008 till Dec. 2008

Employer : Amryia Pharmaceutical Industries

Job title : Mechanical Maintenance Engineer inside sterile production department

Job Description :

- Bosch: Two production lines of sterile product including (washing machines for ampoules and vials, sterile heating tunnels, filling machines, clean rooms).
- Bausch + Strobel: Production line of powder product including (washing machines for vials, sterile heating tunnels, filling machines, clean rooms).
- Finn Aqua: Water distillated unit.
- Lequex and Getinge: Autoclaves.
- Eisai and Brivetti: Inspection machines.
- Herma and Pago: labeling machines.

Dates : Part time
 From Sep. 2009 till May 2010
 From Sep. 2008 till May 2009
 From Sep. 2007 till May 2008

Employer : Alexandria University – Faculty of Engineering

Job title : Drawing Instructor