

Holds a B. Sc. in Mechanical Power Engineering and has over 20 years hands-on experience working in operation field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 14/12/1972
Gender : Male
Marital Status : Married
Residence : Suez

EDUCATION

: B. Sc. in Mechanical Power Engineering, Suez Canal University, 1996

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Process training for thermal power plant by EDF (Electricite de France) association.
- : Natural Gas reduction station by GDF (Gas de France).
- : Medium voltage power supply breakers 6.6KV by SCHNEIDER Electric.
- : FOSTER WHEELER boiler 1100 t/h.
- : TOSHIBA steam turbine and generator with their auxiliaries.
- : Parts description for axial and centrifugal multi stage pumps by KSB.
- : BABCOCK BORSIG Industries auxiliary boiler 45 t/h.
- : Desalination plant (2 x 58 m3/h) multi effect system by Weir Entropie S.A.
- : Operation of Demilitarized water plant by METITO.
- : Condenser and its auxiliaries by ALSTOM DELAS.
- : Gas turbine operation course by TUMA TURBOMACH (13MW).
- : Firefighting and safety training course in the NATIONAL CENTER of industrial safety studies.
- : Work clearance management in SAP system, WCM to issue and receive the work permits.

- : Supercritical boiler 2900 t/h steam flow rate, rated pressure 250 bar g, rated equivalent power BMCR is 750MW.
- : 1st Basic NEBOSH health and safety in workplace training course.
- : Risk assessment training course.
- : Critical tasks training course.
- : 5 stars Safety Investigator training course.
- : Safety contractors training course and loss prevention program basics training.
- : Nuclear safety in power plant training course.
- : Internal audit safety training course.
- : Ergonomic for health and safety training course.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2017 till now
Employer : Rabigh Arabian Water and Electricity Company
Job Description : Working as Shift Supervisor in the central control room building, nos. of nine – 9 boilers – nos. 5 steam turbines and 1 nos. of RO desalination units as a big source to provide Rabigh Refinery Company with water, steam and electricity as a petroleum industries customer.

Dates : From Sep. 2009 till Aug. 2017
Employer : Saudi Electricity Company
Projects :

- Ghazlan Power Plant - Natural Circulation, Drum type boiler 430MW x 4 Units:
 - Westinghouse Steam Turbines (HP & IP Cylinder and double follow LP Cylinder), 24KV Electrical Generator and their auxiliaries.
 - Reliey Stoker Boiler (1900 KLBH, 1800 Psi, 950 Fahrenheit), Natural Circulation Type, Natural Gas / Fuel Oil as (Main/Backup Fuels).
- Shuqaiq Steam Power Plant – Once Through, supercritical boiler 720MW x 4 Units:
 - General Electric Steam Turbines, Single HP, Double flow One IP Turbine, Two double follow LP turbines, 26KV Electrical Generator with their Auxiliaries.
 - Mitsubishi Heavy Industrial (MHI), Once through, supercritical, Forced Circulation, Induced draft furnace, Minimum Pollution boiler type, 2900 t/h steam flow, 272 bar g main steam pressure, sliding and modified sliding boiler, 540 c main steam temperature, Heavy Fuel Oil / Crude Oil / Distillate Oil types, Commissioning company is HHI (Hyundai Heavy Industrial).

Job titles :

- Shift Charge Assistant (from 2015 till 2017)
- Five stars program safety member & 5 stars Coordinator (Leader) and Safety Head, coordinate with division managers as of a communication level, reporting level is directly to the plant manager and Operation Coordinator (from 2013 till 2015)
- Senior Control Room Operator (from 2009 till 2013)

Job Description :

- Perform all activities of the Control Room Operator, Safety Engineer, Operation Coordinator and Shift Charge Assistant.
- Performing all technical work procedures, LO/TO activities, implementing

all SAP system isolation and lined up of all equipment.

- Supervising all control room, operator and chemist activities, coordinate with the operation coordinator to lock out / tag out and lined up the isolated equipment and circuit breakers.
- Performing all local activities, check and operate locally if required.
- Train the shift on all critical tasks and make the necessary planned task observation to ensure safe operation of the equipment and the employees safety.
- Coordinate all the training required to all staff.
- Daily Site inspection and take the corrective actions required to correct all technical and safety issues.
- Performing all monthly tests and shift items of all equipment.
- Prepare the unavailable equipment list and follow it to clarify all unavailable Equipment to be ready and efficient.

Dates	:	From May 2002 till Sep. 2009
Employer	:	Egyptian Electricity Operating Company
Project	:	Suez Gulf Power Plant (2x341MW): <ul style="list-style-type: none">• Toshiba Steam Turbines (HP Cylinder & IP Cylinder and LP Cylinder), 18KV Electrical Generator with hydrogen and stator water cooling system and their auxiliaries.• Foster Wheeler Boiler (1200 t/h, 174 bar fixed pressure, 540 C steam temperature), Natural Circulation Type, Natural Gas / Fuel Oil as (Main/ Backup Fuels) The Position were equipped in Sceco Company.• One black start gas turbine (13MW - Solar fuel oil - 1500 rpm), Auxiliary boiler (50 t/h - 17 bar - 350 °C), Desalination plants multi effect 2 x 50t/h, Demineralization Plant.• Chlorination plant, Diesel Engine for Emergency Service, GIS 220KV electrical breakers (ALSTOM SF6 gas insulation).
Job titles	:	<ul style="list-style-type: none">• Control Room Operator Assistant (from 2006 till 2009)• Support Team and outage member (from 2005 till 2006)• Field Operator (from 2002 till 2005)
Job Description	:	<ul style="list-style-type: none">• During commissioning:<ul style="list-style-type: none">- Check construction completion.- Write punches list items for all systems.- Turn over package & perform isolation and safety tags.- Write line up, start-up and shutdown procedure according to operation and maintenance manuals.- Write the alarm sheets for the several systems of the plant.- Preparing primarily operation incident reports Analysis with complete logic diagrams explains and attaching, preparing RCA for all damage properties with the safety investigation reports to avoid repeating the damage occurrence.• During normal operation:<ul style="list-style-type: none">- Following plant status during the operation of the unit start-up and shutdown.- Plant auxiliaries' supervision.- Perform the technical analysis of the defects and solve the local technical issues.- Follow and manage the field activities through the field engineers.- Reporting the incidents to operation manager.

- Solving troubleshooting and be sure safe and efficient operation.
- Prepare the risk analysis for the critical maintenance jobs.
- Dealing with the minor and major boiler tube leak and condenser tube leak.

Dates : From Feb. 2001 till May 2002

Employer : Egyptian Electricity Holding Company

Project : Ayoun Moussa Steam Power Plant (2x320MW):

- Unit consists of high capacity boiler Babcock & Wilcox (1100 t/h, 160 bar, 540 °C), natural Circulation, natural gas / heavy fuel oil firing, Siemens steam turbine (320MW), DCS control system, All type of valves, pumps and compressors.
- Power plant auxiliaries: one auxiliary boiler, Demineralization plant, Chlorination plant.
- Diesel Engine for Emergency Service, Switch Yard 220KV electrical breakers, Natural gas terminal and Pressure reducing Stations, Hydrogen generating units.

Job title : Control Room Operator

Job Description :

- Control Room Operator for the Desalination plant multi stage flashing 2 x 110t/h.
- Control Room Operator for the boiler ensuring safe, efficient and economical running.
- Solving troubleshooting and be sure of safe operation.
- Performing and controlling the boiler operation (start-up, Normal operation, Shut down).

Dates : From Jan. 2000 till Feb. 2001

Employer : Trust Company for textiles and spinning, Suez Gulf Industrial Region

Job Description :

- Mechanical Maintenance Engineer for the mechanical rotating and fixed equipment.
- Perform the preventative and corrective maintenance for all equipment.
- Mange the machining, valves and welding workshop activities.

Dates : From Jul. 1997 till Dec. 1999

Employer : Armed Military Forces

Job title : Military Unit Tanks Repair Officer

Job Description :

- Maintain and repair all vehicles and tanks in the unit.
- Perform PM and CM of all tanks.
- Perform all Industrial tasks in the unit workshop.

Field of experience :

- Worked in Thermal Power Plants Drum boiler type and supercritical boiler type, maximum load 720MW, Maximum steam pressure 272 bar g, Main steam temperature 540 °C, with minimum ground pollution to save the environment, with full environmental main components FGD, ESP and SCR elementary systems.
- Experience as Field Engineer, DCS Control Room Engineer, Operation Coordinator, Shift in Charge Assistant Engineer / Supervisor and Process Safety Engineer.
- 16 years in Thermal Power Plants, 4 years in other field.