

Holds a B. Sc. in Mechanical Engineering and has about 15 years hands-on experience working in operation, start-up and maintenance.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 10/06/1982
Gender : Male
Marital Status : Married
Residence : Currently Dubai – UAE

EDUCATION

: B. Sc. in Mechanical Engineering, 2004

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Management skills, certified from Select Training and Consultancy Institute.
- : Planning and organization skills, certified from Select Training and Consultancy Institute.
- : Fire Fighting and safety training, DEWA.
- : First aid and health training, DEWA.
- : Emergency Aid and Appointed persons (DCAS).
- : Many technical training courses and discussions.
- : Training at CANAL SUEZ shipyard (marine engines).
- : Training at Arab Contractors Co. (Diesel engine).
- : At Abu Sultan Electric Power Station:
 - Operation course.
 - General idea about electric power station components & circuits.
 - Safety and health system course.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2010 till now
- Employer** : DUBAI ELECTRICITY AND WATER AUTHORITY (DEWA)
- Projects** :
- Jebel Ali L Power and Desalination L Station Phase I:
 - 3x250MW GAS TURBINE GE FRAME 9F.
 - 3 HRSG Doosan with duct burner (720 T/H, 95 BAR, 562.5 C).
 - 2x165MW BPST TOSHIBA Steam Turbine (90 BAR, 569 C).
 - 2 Auxiliary Boilers IHI (550 T/H, 91BAR, 564 C).
 - 5 x Multi Stage Desalination (MSF) units, Fisia made total of 70 mgpd.
 - Jebel Ali L Power and Desalination L Station Phase II:
 - 4x250MW GAS TURBINE SIEMENS 94.3A.
 - 4 HRSG NEM B.V.
 - 2x236MW ALSTOM Steam Turbine DKYZZ3 - 2N41C (100 BAR, 560 C).
 - 1 Auxilliary Boiler NEM (546 T/H, 87 BAR, 580 C).
 - 4 x Multi Stage Desalination (MSF) units, Fisia made total of 56 mgpd.
- Job Description** :
- Senior Power Station Operator:
 - Control operating system to generate specified electrical power, or to regulate the flow of power between generating stations and substations.
 - Control and maintain auxiliary equipment, such as pumps, fans, Compressors, condensers, feedwater pumps, heaters, filters, and chlorinators, to supply water, fuel, lubricants, air, and auxiliary power.
 - Control generator output to match the phase, frequency, and voltage of electricity supplied to panels.
 - Make adjustments or minor repairs, such as tightening leaking gland and pipe joints; report any needs for major repairs.
 - Open and close valves and switches in sequence upon signals from other workers, in order to start or shut down auxiliary units.
 - DCS Board Operator:
 - Identifying Objects, Actions, and Events: Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.
 - Communicating with Supervisors, Peers, or Subordinates: Providing information to supervisors, co-workers, and subordinates by telephone, in written form, email or in person.
 - Monitor Processes, Materials, or Surroundings: Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.
 - Controlling Machines and Processes: Using either control mechanisms or direct physical activity to operate machines or processes.
 - Checking equipments and lines to identify the cause of errors or defects
 - Power Station Operator:
 - Responsibilities: do all local work required such as:
 - Follow safety rules and ensure close adherence to the safety.
 - Check and review the operating conditions and records in

order to investigate the weak and troublesome point in advance of any occurrence.

- Carry out isolation of the equipment for planned and emergency maintenance and normalization of the plant thereafter.
- Observe all machines behaviour and do local action if required.
- Take all local readings with observing any different.
- Detailed operation logs for all operation activities.
- Cooperate with board operator to operate the unit in safe and quality requirement.
- Do all observation reports and send it to shift in charge.

Dates : From Nov. 2006 till Feb. 2010

Project : Abu Sultan Electric Power Station:

- Foster Wheeler boilers (530 ton/hour) with 8 burners that could be lit either no 6 fuel or natural gas, and solar as igniter fuel, 2 FDF and 2 IDF.
- GE 3stage turbines of 126 bar steam pressure and 512 C steam temperature. Entrance, 6 extraction points.
- America Delaval condenser.
- GE generator (15KV, 3000rpm, 193 MVA, power factor of .85).
- Main transformer (15KV / 220KV).
- Other facilities (feed water system, condensate system, hydraulic oil system, lubricating oil system, fuel systems, circulating water system, closed loop cooling system, Hydrogen generation system).

Job title : DCS Board Operator Engineer

- Job Description** :
- Board Operator (from Dec. 2007 till Feb. 2010):
 - Working on Honeywell DCS and GE Mark V.
 - Responsible for monitoring and operating the unit through DCS system.
 - Responsible for proper operation of all assigned equipment and system (Boiler, Turbine, Generator, pumps, compressors...).
 - Carrying out start-up, shutdown, routine, and emergency operation of plant.
 - Changing burning fuel from gas to no 6 fuel.
 - Coping with any operation trouble that arises during achieving any of previous.
 - Field Engineer (from Nov. 2006 till Dec. 2007):
 - Learning & understanding all circuits in the station with reading its charts.
 - Daily checking of equipments and determining of defects.
 - Carry out isolation of equipment for planned and emergency maintenance.

Dates : From Dec. 2005 till Nov. 2006

Employer : University Hospital in Ismailia

- Job Description** :
- General Mechanical Maintenance & Operation Engineer of the following departments:
 - Air conditions & refrigeration systems.
 - Medical gasses like oxygen & nitrous dioxide and it's supplies networks.
 - Air equipments like compressors & vacuum machines.

- Pneumatics valves & gasses regulators and lines.
- Boilers department produce 2 ton steam per hour & heat exchangers.
- Water pumps station & fire pumps and vehicles.
- Lead and manage group of technical workers in the pervious department.
- Good at communicative and dealing with other Maintenance works in our site.

Dates : From Jul. 2005 till Nov. 2005
Employer : MG Travel Co.
Job Description :

- General Maintenance Engineer of one of Nile Cruise Egypt (Aurora Hotel).
- First responsible of maintenance of every equipments on this Floating Hotel like generators engine, drive engine, pumps, Air-condition, water treatment, electric equipment, pipe lines, Electric machines, management tactic, the completely oversight of most daily works.

Dates : From Sep. 2004 till May 2005
Employer : Ismailia Tractor Co.
Job title : Maintenance Engineer
Job Description : Overhaul & troubleshooting of CAT diesel engine (earth movement & Generators).

Skills:

- Mechanical: Theoretical and practical understanding of machines including their designs, usage and maintenance
- I&C: General knowledge of instruments circuits and PLC operation.
- Electrical: Understanding of various circuit breakers types, transformers, PLC.
- Chemistry: General knowledge of the purpose, uses and effect of chemicals used in power plant.