

Holds a B. Sc. in Mechanical Engineering and has over 12 years hands-on experience working in maintenance, operation, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 12/05/1978
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Mechanical Engineering, Tanta University, 2003

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

- : Mechanical Fault Analysis, Talkha Power Station (1 week).
- : English Course for Electrical& Mechanical Engineering, Nubaria Power Station (2 weeks).
- : The AMPLISSIMA user training program, Talkha Power Station (2 weeks in Mar. 2010).
- : Training course for sector trainer, West Delta Electricity Production Co. (2 weeks).
- : Operation and maintenance, STF, Italy (4 weeks in 2009).
- : Training course for maintenance and adjustment of Safety valves, TYCO, Nubaria Power Station (Jul. 2006).
- : Fire fighting system, Initec, Nubaria Power Station (2 weeks in Jun. 2006).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2016 till now
- Employer** : Middle Delta Electricity Production Company (MDEPC)
- Project** : Nubaria Power Station I & II (2x750MW)
- Job title** : Maintenance Engineer
- Job Description** : Working as HRSG and Water Treatment and Fire Fighting Maintenance Engineer responsible for:
- Selection and Inspection and testing and commissioning and start-up and assembly and disassembly and fix and preventive maintenance for hp/ip and lp (HRSG feed water pump) multi stage.
 - Inspection and maintain and testing and repair for all high pressure steam valves types (gate, globe, knife, butterfly, ball and check valves) with different size and type.
 - All the routing and preventive maintenance activity.
 - Keeping the (4) HRSG (heat recovery steam generator) in reliable condition.
 - Maintain and repair piping and coil of HRSG.
 - Inspection and receiving spare parts for contracts (INITEC & ALSTOM & TERMOMICCHANIC & BOCARD).
 - Doing any required modification.
 - HRSG water treatment (sewage, potable, deminlaization, waste and oil separator, phosphate, hyderazine dosing pumps).
 - Emergency diesel generator (output 1.5MW) consist of 12 cylinders.
 - Maintenance all equipments of fire fighting (all types of deluge valves (preaction, dry...etc.), foam system, all types of pumps (diesel, electrical pump and jockey).
 - Make hydrostatic test for all underground pipes and for fire fighting pipes with vendor.
 - Inspection HRSC (drums, pipes, deareator) for cracks and make treatment for all crakes.
 - Make mechanical maintenance for all actuators (pneumatic, motors and hydraulic).
 - Make maintenance of steam sample system.
 - Inspection and fix of vertical sump pump (golds, ksp...etc.) and recirculation preheated pump.
 - Maintenance of steam turbine (Mitsubishi 2x250MW).
 - Make inspection for all main steam vales of (hp, ip and lp turbines).
 - Make inspection of condenser and make plug any leakage pipes.
 - Make inspection and fix of (condenser vacuum, condensate, water box vacuum, Closed cooling, lubrication oil) pumps.
 - Make maintenance on service and instruments compressors.
 - Make major inspection on turbine.
 - Inspection on bearings (journal and axial).
 - Adjust of clearance between (fixed and moving blades) also between (lyberances of stationary parts and rotor).
 - Inspection of hp, ip and lp blades (fixed and moving blades).
 - Make alignment of turbine's rotors.

Dates : From Jun. 2015 till Mar. 2016
Employer : [EGYPTROL](http://www.egyptrol.com), GE Energy Subcontractor
Projects : Al Hamra – New Assiut – Bani Ghaleb GE TM 2500
Job title : Operator Engineer
Job Description :

- Dealing with DCS System – Wood Word / Micronet, Logic / GAP.
- Preparation for operation of the units (check alarms and be sure that there is permissive for both units to start and all condition is achieved to start both units, survey for all auxiliary equipments (pumps, valves, filters, transmitters....etc.) for both units, check the level for (fuel tanks and other auxiliary tanks), check fire fighting system is ready.
- Check the voltage and frequency of the grid and verify that it is suitable and in the safe range to start both units, if it is not in the proper range, I coordinate with transformers station to get right voltage for safe operation.
- Change all types of filters (low and high pressure for fuel, air inlet filters....etc.).
- Take a sample every day from the fuel to insure it is pure as can as possible.
- Operate a unit called centrifugal unit used to purify the fuel.
- Follow the right instruction to start both units to keep safe operation.
- Supervise all values (temperatures, pressures, levels and many other important values) during operation from a HMI screen.
- Follow proper steps for normal shutdown and avoid emergency shutdown.
- Register a data sheet contain all values (MW, MW/H, run time hour, start and end time of operation, fuel consumption.....etc.).
- Verify and execute all safety requirements needed for work precisely.

Dates : From Aug. 2014 till May 2015
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Power Station I & II (2x750MW)
Job title : Maintenance Engineer
Job Description : Working as HRSG and Water Treatment and Fire Fighting Maintenance Engineer responsible for:

- Selection and Inspection and testing and commissioning and start-up and assembly and disassembly and fix and preventive maintenance for hp/ip and lp (HRSG feed water pump) multi stage.
- Inspection and maintain and testing and repair for all high pressure steam valves types (gate, globe, knife, butterfly, ball and check valves) with different size and type.
- All the routing and preventive maintenance activity.
- Keeping the (4) HRSG (heat recovery steam generator) in reliable condition.
- Maintain and repair piping and coil of HRSG.
- Inspection and receiving spare parts for contracts (INITEC & ALSTOM & TERMOMICHANIC & BOCARD).
- Doing any required modification.
- HRSG water treatment (sewage, potable, deminlaization, waste and oil separator, phosphate, hydrazine dosing pumps).
- Emergency diesel generator (output 1.5MW) consist of 12 cylinders.

- Maintenance all equipments of fire fighting (all types of deluge valves (preaction, dry...etc.), foam system, all types of pumps (diesel, electrical pump and jockey).
- Make hydrostatic test for all underground pipes and for fire fighting pipes with vendor.
- Inspection HRSC (drums, pipes, deareator) for cracks and make treatment for all crakes.
- Make mechanical maintenance for all actuators (pneumatic, motors and hydraulic).
- Make maintenance of steam sample system.
- Inspection and fix of vertical sump pump (golfs, ksp...etc.) and recirculation preheated pump.
- Maintenance of steam turbine (Mitsubishi 2x250MW).
- Make inspection for all main steam vale s of (hp, ip and lp turbines).
- Make inspection of condenser and make plug any leakage pipes.
- Make inspection and fix of (condenser vacuum, condensate, water box vacuum, Closed cooling, lubrication oil) pumps.
- Make maintenance on service and instruments compressors.
- Make major inspection on turbine.
- Inspection on bearings (journal and axial).
- Adjust of clearance between (fixed and moving blades) also between (lyberances of stationary parts and rotor).
- Inspection of hp, ip and lp blades (fixed and moving blades).
- Make alignment of turbine's rotors.

Dates	:	From Apr. 2014 till Aug. 2014
Employer	:	EGYPTROL , SAMSUNG C&T Subcontractor
Project	:	Qurayyah Independent Power Project (6x750MW) – Combined Cycle, KSA (The Qurayyah IPP Project is approximately 100 km south of the port of Dammam on the coast in the Eastern province of the kingdom of Saudi Arabia. The facility is a 2 on 1 combined cycle configuration consisting of twelve (12) Siemens SGT6-PAC 5000F gas turbine generating units (GTGS), twelve (12) BHI dual pressure heat recovery steam generators (HRSGs), six (6) Siemens SST6-4000 steam turbine generators (STGs) and six (6) sea water condensers.)
Job title	:	HRSG & Steam Turbine Commissioning Engineer
Job Description	:	Carried out all commissioning activities (Cold/Hot) of twelve (12) HRSGs as following: <ul style="list-style-type: none"> • Provided advice and guidance chemical cleaning for HRSGs. • Followed the erection completed as per requirements and perform punch list during ECC walk down. • Checked all components (valves, pumps, instruments, supports, manholes, ...) before energizing or filling and followed function check with all disciplines. • Developed and implemented the procedure of pump tests (motor solo run test, heat run test). • Developed and implemented the method of statement and risk assessment of steam blowing. • Supporting and overseeing the HRSGs during steam blowing procedure and provided advice and guidance the operation stuff at all time.

- Carried out the hot commissioning procedure during steam blowing sequence.
- Followed HRSGs components inspection and carried out the maintenance tasks.
- Provided advice and guidance the performance team and supporting HRSGs performance test procedure.
- Prepared and documented the commissioning program required to CCC packages (commissioning clearance certificate) for handing over to owner.

Dates	:	From Dec. 2005 till Mar. 2014
Employer	:	Middle Delta Electricity Production Company (MDEPC)
Project	:	Nubaria Power Station I & II (2x750MW): <ul style="list-style-type: none"> • 4 SIEMENS gas turbines • 2 MITSUBISHI steam turbines • 4 ALSTOM Heat Recovery Steam Generators • Extra 750MW to Nubaria capacity, its consists of: <ul style="list-style-type: none"> - 2 GE gas turbines - 1 ALSTOM steam turbine - 2 STF Heat Recovery Steam Generators
Job titles	:	<ul style="list-style-type: none"> • HRSG & Chemical Water Treatment & Fire Fighting Maintenance Engineer (from Apr. 2009 till Mar. 2014) • Gas Turbine Operation Engineer (from Sep. 2006 till Apr. 2009) • HRSG Construction Mechanical Engineer (from Dec. 2005 till Sep. 2006)