

Holds a B. Sc. in Mechanical Power Engineering and a Diploma in Power Plant. Has over 13 years hands-on experience working in construction, maintenance, operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 30/10/1980
Gender : Male
Residence : Helwan, Cairo

EDUCATION

- : B. Sc. in Mechanical Power Engineering, Minia University, 2005
- : Mechanical Power Engineering Diploma (Power Plant), Mansoura University, 2014
- : Prepare Master degree in Mechanical Power (Power Plant), Mansoura University (from 2015 till now)

LANGUAGES

Arabic : Native Language
English : Very Good
French : Fair
German : Fair

COMPUTER SKILLS

- : Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Steam turbine maintenance training course, Ansaldo Energia Training Centre in Genoa - Italy (Mar./Apr. 2014).
- : Vibration, alignment and balance training program, East Delta Electricity Production Company Training Centre (Fayd, Egypt) (Oct./Nov. 2014).
- : English at work level 4 training program, East Delta Electricity Production Company Training Centre (Fayd, Egypt) (Feb. 2014).
- : Welding inspection training program, East Delta Electricity Production Company Training Centre (Fayd, Egypt) (Apr. 2013).
- : Metito training course entitled operation water & waste water treatment system & industrial and sewage treatment systems, West Damietta Power Station (Dec. 2012).
- : Training on gas turbine generator maintenance (GE frame 9E), West Damietta Power Station (Jun. 2012).

- : Air compressor training program, West Damietta Power Station (Mar. 2012).
- : Pumps training program, West Damietta Power Station (Mar. 2012).
- : Steam turbine operation & maintenance, ALSTOM Steam Turbine Training Centre, Mannheim - Germany (Nov. 2010).
- : Introduction & steam turbine operation, ALSTOM Power Plant Training Centre in Switzerland (Oct./Nov. 2010).
- : Training on traveling screen and Trash Rake by Tarnos Company, El-Tebbin Project to constrict Thermal Power Station Steam Cycle 2x350MW, Egypt (Oct. 2009).
- : Training in the station on operation and maintenance for Power Station, Shoubra El-Kheima Thermal Power Station Steam Cycle 4x350MW, Egypt (Dec. 2008).
- : English: preparation course (TOEFL).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2017 till 2018
Employer : [EGYPTROL](#), Al Toukhi Company
Project : Conversation of Hail-2 Simple Cycle to Combined Cycle Power Plant
Job title : Commissioning Engineer

Dates : From Mar. 2017 till Dec. 2017
Employer : East Delta Electricity Production Company
Project : West Damietta Power Project phase II converting existing simple cycle to combined cycle 250MW steam turbine
Job title : Commissioning Engineer
Job Description :

- Attending the commissioning and start-up of the thermal power plant.
- Supervision of BOP "Water and Steam Cycle" Commissioning & Start-up & Operation.
- Commissioning & start-up and operation of ALSTOM steam turbine.
- Commissioning and start-up for related auxiliaries circulating water system, closed cooling, service water system, condensate system, feed water pumps (high pressure, low pressure), tube cleaning system, debris filter, condenser vacuum pump, water box vacuum pump, lube oil system & hydraulic oil system.
- Carry out all commissioning activities (Hydro-test, chemical cleaning, Steam blowing) as per manufacture recommendation.
- Follow up Pre-commissioning (lube oil flushing, control oil flushing, gas line, closed cooling system).
- Follow up Commissioning & start-up for ST AUXILIARY.
- Follow up Commissioning & start-up fire fighting system.

Dates : From May 2016 till Mar. 2017
Employer : East Delta Electricity Production Company
Project : West Damietta Power Project phase II converting existing simple cycle to combined cycle 250MW steam turbine
Job title : Senior Project Engineer
Job Description :

- Review the contract to achieve all contract benefits to EDEPC.
- Supervision of the construction of steam Turbines, HRSGs, ACC (air

cooled condenser) and its auxiliaries.

- Supervision Pre-commissioning & commissioning tests (hydrostatic tests, blowing, flushing...etc.) for all system.
- Review all material receiving report for all equipment.
- Review all require change notes.

Dates : From Jan. 2016 till Apr. 2016
Employer : East Delta Electricity Production Company
Project : West Damietta Thermal Power Station Gas Turbine Simple Cycle 4x125MW) GE Frame 9E (Mark 6)
Job title : Senior Maintenance Engineer
Job Description :

- Responsible of all mechanical work for hot gas pass inspection (HGPI) for GE MS9001E gas turbine unit (125MW): I worked with GE group of that inspection, removing the outer casing in the turbine section, lifting off upper sections of the turbine stationary blades carrier and rolling out the lower section of the turbine stationary blades carrier and removing blades / vans for refurbishment / replacement, Make the HGPI according to GE procedure and TIL of GE, Record the opening and closing clearances.
- Responsible of all mechanical work for combustion inspection (CI) for GE MS9001E gas turbine unit (125MW): Inspection of fuel burners, fuel check valves, atomizing air connectors, spark plugs, flam detector, cross fire Tube, combustor flow sleeve, liner & transition pieces.
- Organize the material receiving – storage and handling procedure.
- Planning and controlling of material which includes receiving, storage, issuing, stocking and disposal of material.

Dates : From Sep. 2013 till Dec. 2015
Employer : East Delta Electricity Production Company
Project : West Damietta Thermal Power Station Gas Turbine Simple Cycle 4x125MW) GE Frame 9E (Mark 6)
Job title : Senior Maintenance Engineer
Job Description :

- Prepare PM programs and maintenance schedule.
- Responsible of all mechanical work for combustion inspection (CI) for GE MS9001E gas turbine unit (125MW): Inspection of fuel burners, fuel check valves, atomizing air connectors, spark plugs, flam detector, cross fire Tube, combustor flow sleeve, liner & transition pieces.
- Responsible of all mechanical work for hot gas pass inspection (HGPI) for GE MS9001E gas turbine unit (125MW): I worked with GE group of that inspection, removing the outer casing in the turbine section, lifting off upper sections of the turbine stationary blades carrier and rolling out the lower section of the turbine stationary blades carrier and removing blades / vans for refurbishment / replacement.
- Responsible of all mechanical work for convert from slandered combustion to dry low NOx (DLN).
- Responsible of all maintenance work for all equipment in power plant (gas turbine aux systems, pumps, compressors, valves,i.e.).
- Responsible of all maintenance work for all equipment in water treatment plant (pumps, compressors, fitters, dryers, blowers,.....i.e.).
- Responsible of all maintenance work for all equipment in fire fitting system (pumps, valves, hydrants, deluge system).

- Organize the material receiving – storage and handling procedure.
- Planning and controlling of material which includes receiving, storage, issuing, stocking and disposal of material.

Dates : From Sep. 2012 till Sep. 2013
Employer : East Delta Electricity Production Company
Project : West Damietta Project to constrict Thermal Power Station Gas Turbine Simple Cycle 4x125MW) GE Frame 9E (Mark 6)
Job title : Senior Project Engineer
Job Description :

- Review the contract to achieve all contract benefits to EDEPC.
- Supervision of the construction of gas turbine, BOP, water treatment and its auxiliaries.
- Supervision Pre-commissioning & commissioning tests (hydrostatic tests, blowing, flushing...etc.) for all system.
- Review all material receiving report for all equipment.

Dates : From Jan. 2012 till Sep. 2012
Employer : East Delta Electricity Production Company
Project : West Damietta Project to constrict Thermal Power Station Gas Turbine Simple Cycle 4x125MW) GE Frame 9E (Mark 6)
Job title : Commissioning & Start-up Engineer
Job Description :

- Attending the commissioning and start-up of the Thermal Power Station Gas Turbine Simple Cycle Plant.
- Perform commissioning of desalination and demineralization water treatment system.
- Follow up Commissioning & start-up fire fighting system.
- Follow up Pre-commissioning (lube oil flushing, control oil flushing, gas line, closed cooling system).

Dates : From Oct. 2010 till Dec. 2011
Employer : Cairo Electricity Production Company
Project : El-Tebbin Project to constrict Thermal Power Station Steam Cycle 2x350MW
Job title : Senior Shift Charge Engineer
Job Description :

- Responsible for the safety and performance of the electrical power generating equipment and personnel resources.
- Supervision of operation plant and stuff in main plant control room and local operation team.
- Respect of the dispatcher demands concerning the load.
- Optimization of production means.
- The interface with maintenance field.
- Inspection intervening on the equipment.
- Writing the incident reports and major events reports if needed.
- The statement and verification of the necessary data for the following up of the production indicators.
- Writing operation procedures, alarm sheets, periodic tests, etc.
- Following the training program of the staff, organize the training in the shift team with the lowest level of replacement as possible.
- Train the shift team as needed for initial training, maintenance of skills and improvement of Shift team awareness.

- Controlling energize and de-energize of a high voltage 220KV transmission lined.
- Insure the equipments safety for maintenance in according with station clearance tagging out locking out procedure.

Dates : From May 2009 till Oct. 2010
Employer : Cairo Electricity Production Company
Project : El-Tebbin Project to constrict Thermal Power Station Steam Cycle 2x350MW
Job title : Commissioning & Start-up Engineer
Job Description :

- Attending the commissioning and start-up of the thermal power plant.
- Supervision of BOP "Water and Steam Cycle" Commissioning & Start-up & Operation.
- Commissioning & start-up and operation of ALSTOM steam turbine.
- Commissioning and start-up for related auxiliaries circulating water system, closed cooling, service water system, condensate system, feed water pumps (high pressure, low pressure), tube cleaning system, debris filter, condenser vacuum pump, water box vacuum pump, lube oil system & hydraulic oil system.
- Carry out all commissioning activities (Hydro-test, chemical cleaning, Steam blowing) as per manufacture recommendation.
- Follow up Pre-commissioning (lube oil flushing, control oil flushing, gas line, closed cooling system).
- Follow up Commissioning & start-up for ST AUXILIARY.
- Follow up Commissioning & start-up fire fighting system.

Dates : From Dec. 2007 till May 2009
Employer : Cairo Electricity Production Company
Project : Shoubra El-Kheima Thermal Power Station Steam Cycle 4x350MW
Job title : Operation Engineer
Job Description :

- Monitoring of Water and Steam Cycle Equipment's (Boilers, steam Turbines, Condenser, Heaters, Pumps...i.e.) through local inspection & DCS Based system.
- Responsible of testing and servicing of control valves and other valves in the cycle (check valves, motorized valves, and manuals valves).
- Responsible & well versed of all process related activities.
- Having good experience in start-up and safe shut down of steam turbine, Boilers, Condenser, Gas turbine, Heaters, Pumps...i.e.
- Reviewed test reports to verify compliance with specifications, standards, and proposal information.
- Taking action towards reducing breakdown time of machine.
- Standby auxiliary equipment's checking & made it ready to avoid major breakdowns.

Dates : From Apr. 2007 till Nov. 2007
Employer : Lena Company (environmental service)
Job title : Operation & Maintenance Engineer
Job Description : Maintained cement filters and save operated for (bag Filter, gravel filter and EP filter) and maintained the Gear boxes, Screw and chain and any auxiliary of Cement industry.