

Holds a B. Sc. in Mechanical Power Engineering and has over 23 years of professional experience in the field of power and substation operation, maintenance, commissioning and start-up that includes inside plant engineering, outside plant equipment engineering, installation and construction, site supervision and consultancy. Has troubleshooting skills and is able to demonstrate safe attitudes, being committed to working within site rules & regulations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 20/08/1974
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Mechanical Power Engineering, Menoufia University, 1998

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Off-shore training of steam turbines operation and maintenance, NAGAZAKY & Kobe, Japan (Sep. 2006).
- : Off-shore training of Horizontal HRSG's operation and maintenance by ALSTOM Company, Surabaya – Indonesia (Jul. 2005).
- : Basic Operation Training on Steam Turbine 250MW by Mitsubishi Heavy Industries Company, Nubaria.
- : Operation on-shore training of Alspa p320 distributed control system by ALSTOM Company, Nubaria.
- : Basic Operation and maintenance on combined cycle by West Delta Electricity Production Company, Damanhour.
- : Basic operation on gas turbine by Siemens Company, Nubaria.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jul. 2020 till Apr. 2021
From Jan. 2019 till Oct. 2019

Employer : GE

Project : Amandi Power Project (192MW), Ghana - Takoradi City

Job title : HRSG Commissioning Engineer (HRSG TA)

Job Description : Carrying out HRSG cold commissioning and hot commissioning as the following:

- Checking the completing of erection works and issuing punch items list then following the installation team to close these items.
- Supporting and following chemical cleaning activities priory and reconfiguration post chemical cleaning.
- Carry out walk down with all disciplines officially and raise punch items to release commissioning to start.
- I&C Loop checks and valves adjusting as cold commissioning activities.
- Carry out all boiler Pumps and motors solo run and heat run tests.
- Hanger supports cold setting adjusting and hot setting checking during boiler running.
- Safety valves reconfiguration post chemical cleaning and hydro test activities then pop up testing.
- HRSGs line up and initial filling and initial firing.
- Start-up / shut down sequence checking as per manufacture instructions.
- Documents making and turn over all packages to client.
- Trouble shooting supporting and carrying out all the required predictive maintenance until TOD.

Dates : From Oct. 2017 till Oct. 2018

Employer : [EGYPTROL](#), AC Boilers Subcontractor

Project : Al-Shabab Power Station (1500MW)

Job title : Commissioning Team Leader

Job Description :

- Supporting and following the pre-commissioning activities.
- Managing on site and carrying out all procedures of cold commissioning and hot commissioning for eight HRSGs divided into two modules including the steam blow activities.
- Leading the commissioning team for carrying out HRSGs start up and performing all tests including performance test and reliability run test .
- Trouble shooting supporting and carrying out all the required maintenance until TOD and through the starting of the warranty period.

Dates : From Dec. 2015 till Sep. 2017

Employer : [EGYPTROL](#), AC Boilers Subcontractor

Project : Banha Power Station (1500MW)
(consists of two GE gas turbines 2x250MW combined with two Ansaldo Caldaie HRSGs and one Ansaldo Energia steam turbine 1x250MW)

Job title : Warranty Manager

Job Description :

- Managing on site the punch items list that shall to closed during warranty period as conducting and arranging the manpower and materials with subcontractors those are involved in contract.

- Proceed the Warranty rules for guaranty the components of AC boilers HRSGs against the malfunction defects and support both of the operation team and the maintenance groups to follow the perfect procedures of work otherwise the reports are sent to employer to show him the responsibility of the defects.
- Managing on site the warranty claims that being closed after repairing or fixing or rejecting and documenting that by sending official letter to owner.
- Managing on site the spare parts that being consumed during warranty period by order to manufacturers.

Dates : From May 2015 till Jul. 2015
Employer : [EGYPTROL](#), GE Energy Subcontractor
Project : New Assiut Power Project (1500MW)
 (consists of 8 GE frame 9E (120MW per unit) gas turbine generating units as fast track for electrical power production by simple cycle)
Job title : Shift Charge Engineer
Job Description :

- Start-up / shut down for GE gas turbines frames 9E working as simple cycle.
- Trouble shooting supporting.

Dates : From Aug. 2013 till Mar. 2015
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 12 Siemens (DCS T3000) SGT6-PAC 5000F gas turbine generating units (GTGS), 12 BHI dual pressure heat recovery steam generators (HRSGs), 6 Siemens SST6-4000 steam turbine generators (STGs) and 6 sea water condensers.)
Job title : HRSGs Senior Commissioning & Process Engineer
Job Description : Carried out all commissioning activities (Cold/Hot) of twelve HRSGs as the following:

- Checking the completing of erection works and make components check list.
- Restoration all valves/components after chemical cleaning.
- Supporting and follow all pre-commissioning activities as hydro tests and chemical cleaning procedures.
- Carry out walk down with all disciplines officially and make punch items to release commissioning to start.
- HRSGs line up and initial filling and initial firing.
- Carry out steam blowing for all steam lines.
- Carry out all boiler Pumps and motors solo run and heat run tests.
- Hanger supports cold setting adjusting and hot setting checking during boiler running.
- Safety valves pop up testing and test gags removing.
- Function check for all signals and valves.
- Start-up/shut down sequence checking as per manufacture instructions.
- Troubleshooting supporting and maintenance program making as per

- vendor recommendations.
- Carry out performance tests.
- Documents making and turn over all packages to owner.

Dates : From Jun. 2011 till Jun. 2013
Employer : NEM
Project : Sidi Krir Combined Cycle Power Station
(one module 750MW (nominal) for two horizontal HRSGs NEM model)
Job title : HRSGs Warranty Site Manager
Job Description :

- Guaranty the components of NEM HRSGs against the malfunction defects if both the operation was done properly and the maintenance programs were done properly, otherwise the reports are sent to employer to show him the responsibility of the defects.
- Managing on site the warranty claims that being closed after repairing or fixing or rejecting and documenting that by sending official letter to owner.
- Managing on site the punch items that being closed after consult with head office.
- Managing on site the spare parts that being consumed during warranty period by order to manufacturers.

Dates : From Mar. 2010 till Jun. 2011
Employer : NEM – Seconded to ECEI (Engineering Center for Energy and Industry)
Project : Sidi Krir Combined Cycle Power Station
Job title : Commissioning & Start-up System Engineer
Job Description :

- Carried out all commissioning activities as per manufacture recommendation.
- Start-up of the units: Two Heat Recovery Steam Generators (NEM).
- Assist HRSGs operation personnel on daily basis to achieve the optimum operating conditions and keep the power station in the highest available Level of performance and operating conditions.

Dates : From Apr. 2004 till Mar. 2010
Employer : MDEPC (Middle Delta Electricity Production Company)
Project : Nubaria Combined Cycle Power Station 1500MW
Job title : Shift Charge / Site Engineer
Job Description :

- Carry out all the required O&M activities as per manufacture recommendation.
- Assist HRSGs and BOP operation personnel on daily basis to achieve the optimum operating conditions for the HRSGs and keep the power station in the highest available Level of performance and operating conditions.
- Responsible for the operation of two modules, each module contains:
 - Two Siemens CTG 250MW type V94.3A.
 - Two horizontal Alstom HRSGs.
 - One Mitsubishi STG 250MW multi pressure (HP, IP, LP).
- Assist the commissioning and start-up of four Siemens CTGs 250MW.
- Assist the commissioning and start-up of four horizontal HRSGs.
- Assist the commissioning and start-up of two Mitsubishi STGs 250MW.

- Safe operation for GTG Siemens 250MW x 4 UNITS and all auxiliaries during the reliability period.
- Energizing of 500KV and 220KV switchyard.
- Switchgear 6.3KV and MCC 400 V for all plant auxiliaries.
- Responsible for daily report.

Dates : From Apr. 2002 till Mar. 2004
Employer : Textile Factory (Elrrobaaia for textile)
Job Description : Operation Engineer at auxiliary boiler and power generation.

Dates : From Apr. 1999 till Mar. 2002
Employer : Egyptian Armed Forces
Project : Military Service
Job Description : At substation & diesel engine for electrical power generation at air forces.

Field of experience :

- Solid experience in different facets of Power Plant industry.
- Strong understanding with different EPC philosophies in power generations.
- Well-exposed and experienced in the commissioning, start-up and operation of the following:
 - Rotating Equipments:
 - Siemens Gas Turbine (Siemens SGT6-PAC 5000F 225MW, SGT V94.3A 250MW).
 - GE gas turbine (250 & 125MW frame 9F and 9E).
 - Mitsubishi steam turbine (250MW).
 - Mitsubishi gas turbine (250MW).
 - Hitachi Gas Turbine (25MW).
 - Pumps (HP/LP feed water, CW, Condensate, closed cooling...).
 - Heat Recovery Steam Generators (HRSGs):
 - Alstom horizontal heat recovery steam generator multi pressures with cold/hot reheating.
 - NEM horizontal heat recovery steam generator multi pressures with cold/hot reheating.
 - BHI horizontal heat recovery steam generator dual pressure.
 - AC boilers S.P.A formerly Ansaldo Caldaie horizontal heat recovery steam generator multi pressure with cold/hot reheating.
 - GE formerly Dossan heat recovery steam generator dual pressure with using soot blower if the fuel selected was LCO.
- Possess strong leadership and dynamic interface in a team environment and working with others to achieve the best possible output from all functional viewpoints.
- Actively display initiative in the development and modification of existing design with the responsibility for meeting customer requirements and company internal requirements for mechanical scope.
- Support the technical development of the Mechanical Engineering and Design functions through the evaluation and introduction of new design and analysis capabilities.
- Demonstrated ability to work independently or to lead a team to complete projects within required time frames.

- Demonstrated abilities and passion for providing technical advice to staff members, and embracing a culture that values team work.
- Job workforce motivator and able to maintain a continued positive mind-set during difficult project scenario's.
- Analyze and recommend design concepts to meet customer requirements and evaluate design approaches for specification compliance.
- Review, negotiate and accept mechanical portions of project specifications received from customers.
- Perform and document mechanical analysis of assigned designs and assure that customer requirements are met.
- Assure that standard mechanical engineering practices are complied with on assigned projects.
- Develop qualification plan and perform qualification testing to assure that new designs, materials and process meet the intended requirements when implemented.
- Evaluate vendor capabilities and vendor material Participate in the hiring, training and development, of new Mechanical Engineers and Mechanical Designers.
- Determination of cause and origin of industrial incidents, investigations of incidents.
- Preparation of oral and written reports, proposals and schedules.
- Actively participate in the Commissioning and Start-up Phase of the units and systems.