

Holds a B. Sc. in Mechanical Power Engineering and a Postgraduate Diploma in Mechanical Power Engineering (Hydraulic machines). Has about 17 years hands-on experience working in construction, maintenance and operation.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 05/12/1980
Gender : Male
Marital Status : Married
Residence : Mansoura

EDUCATION

- : B. Sc. in Mechanical Power Engineering, Mansoura University, 2004
- : Postgraduate Diploma in Mechanical Power Engineering (Hydraulic machines), Mansoura University, 2009

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Access, Power Point), Internet
- : Matlab
- : AutoCAD 2002

TRAINING COURSES AND CERTIFICATIONS

- : Off-shore training in HRSG MAINTENANCE (Design, I&C, pressure parts, main components) of BANHA CCPP 750MW (2 x three levels + RH) at ANSALDO CALADIE, Gallarate, Italy (Apr./May 2013).
- : Off-shore training in operation, configuration and maintenance ABB s.p.a of pressure, temperature transmitter, Italy (Apr. 2013).
- : Off-shore training in STEAM TURNINE, GENERATOR and CONDENSER MAINTENANCE at ANSALDO ENERGIA, Genoa, Italy (Jan./Feb. 2014).
- : Off-shore training in Scada for generator protection SAET s.p.a and synchronization, Italy (Jan. 2014).
- : IELTS exam (Dec. 2017).

- : On-shore trainings:
 - Metal welding, Eldelta Company for fertilizer and chemical industries, Technology Training Center (May 2013).
 - HRSG maintenance, Ansaldo Caldaie s.p.a (on job training), Banha (2014).
 - Maintenance of steam turbine, generator and condenser, Ansaldo Energia, Banha, Egypt (Nov./Dec. 2014).
 - Scada for generator protection and synchronization, SAET s.p.a (on job training), Banha (2014).
 - Maintenance training for water & waste water treatment systems, Metito (on job training), Banha (2015).
 - Operation training for water & waste water treatment systems, Metito (on job training), Banha (2015).
 - Boiler feed pumps and condensate extraction pumps maintenance, Termomeccanica pompe, Banha, Egypt (Jan./Feb. 2015).
 - Maintenance of steam turbine and auxiliaries, Middle Delta Electricity Production Company, Banha, Egypt (Feb. 2016).
 - Training of trainers (TOT), Middle Delta Electricity Production Company, Talkha (2017).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2011 till now
- Employer** : Middle Delta Electricity Production Company
- Project** : Banha CCPP 750MW
- Job title** : Mechanical Engineer
- Job Description** :
- Maintenance period duties and responsibilities:
 - Managing all types of maintenance for:
 - Two HRSG and its auxiliaries.
 - Feed water pumps.
 - Critical piping and valves.
 - Water treatment and waste water systems.
 - Steam turbine, condenser and auxiliaries.
 - Commissioning period duties and responsibilities:
 - Checking the completing of erection works and making components check list.
 - Supporting and follow all pre-commissioning activities as hydro tests and chemical cleaning procedure.
 - Restoration all valves/components after chemical cleaning.
 - 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.
 - Start-up/shut down sequence checking as per manufacture instructions.
 - Trouble shooting supporting and maintenance program making as per vendor recommendations.

- Carry out performance tests.
- Documents making and turn over all packages to owner.
- Making all documents needed.
- Erection period duties and responsibilities:
 - Attending daily meeting with contractors and the consultant discussing and preparing the daily work activities for HRSGs and critical valves and piping.
 - Inspecting the material provided to site (steel structure, Harps, small bore and large bore piping Drums, Pillows, valves, pumps, etc.).
 - Making Harps erection plan with coordination of contractor and consultant.
 - Making the inlet and outlet casing, HP, IP LP drums and stack erection plan with coordination of contractor and consultant.
 - Making a daily walk down inspection for the mechanical work.

Dates : From 2005 till 2011

Employer : Middle Delta Electricity Production Company

Project : 420MW Talkha Steam Power Plant (2x210MW)

Job title : Mechanical Engineer

Job Description :

- Maintenance period duties and responsibilities (1 year):
Executing all types of maintenance for:
 - Two dual fossil fuel boilers.
 - 4 air fans (6KV).
 - 4 Flue gases recirculation fans.
 - 4 air pre-heaters.
 - 4 low pressure fuel oil pumps.
 - 4 high pressure fuel oil pumps.
 - 5 reciprocation compressors.
 - All types of valves.
- Chief in Charge period duties and responsibilities (2 years):
 - Leading a team of 7 engineers and 21 technicians in all the power plant (steam turbines, boilers and auxiliaries) to perform all the scheduled start-up and shutdown procedures, ensure the reliable operation of the plant, taking the suitable decisions in case of emergency, performing the daily inspection to discover the defects, and coordinating with maintenance people for restoration work.
- Field period duties and responsibilities (3 years):
 - Leading 3 technicians, performing all the start-up and shutdown procedures, detecting the defects and coordinate with the maintenance team for the restoration work for all the mechanical components of the power plant.

Field of experience :

- Solid experience in different facets of combined cycle Power Plants industry as well as steam power plant.
- 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 company 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 commissioning 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 mindset during difficult project scenario's.
- Analyze and recommend design concepts and evaluate design approaches for specification compliance.
- Review, negotiate and accept mechanical portions of project specifications during commissioning activities.
- Perform and document mechanical analysis of assigned designs.
- Develop qualification plan and perform qualification testing to assure that new designs, materials and process meet the intended requirements when implemented.
- 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.