

Holds a B. Sc. in Mechanical Engineering and has about 16 years experience, including 13 years working in commissioning, operation and maintenance at Power Plants including gas turbines, steam turbines, BOP and HRSGs.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 21/04/1979
Gender : Male
Marital Status : Married
Residence : Mansoura

EDUCATION

: B. Sc. in Mechanical Engineering, Al-Azhar University, 2004

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access), Internet
: AUTOCAD (Advanced 2D & 3D)

TRAINING COURSES AND CERTIFICATIONS

- : Talkha Power Plant:
 - Gas turbine operation course SIEMENS V94.3A.
 - CMI Energy + Skoda Praha HRSG on-job training.
 - Participate in steam blow off CMI Energy + Skoda Praha HRSG.
- : Sabiya CCGT Power Plant - Kuwait: High Voltage Operational Safety for Engineers (OSHA, NFPA, EN Standards).
- : Summer training at Enppi (Engineering for the Petroleum and Process Industries).
- : PLC (Programmable Logic Controller).
- : E.H.S course by GE Company, Sabiya (Kuwait):
 - Accident Prevention.
 - Access to Medical Records.
 - Air Compliance Awareness /Air Permits.
 - Compressed Gas Safety.
 - Cranes, Derricks and Rigging.

- Confined Space Qualified.
- Emergency Preparedness & Fire Prevention.
- Ergonomics Awareness for Industrial Workers.
- Ergonomics Awareness for Office.
- Fall Protection Awareness.
- General Environmental Awareness.
- Hot Work Permit.
- Lockout / Tag out.
- Lockout / Tag out Authorized.
- Management of Change.
- Motor Vehicle Safety Survey.
- Occupational Noise Exposure Awareness.
- Oil Spill Prevention.
- Permit to Work.
- Portable Fire Extinguishers.
- Personal Protective Equipment.
- Preventing Violence in the Work.
- Pandemic Preparedness and Business Continuity Plan Awareness.
- Restricted Work Authorization.
- Hazard Recognition.
- Hazardous Waste Awareness.
- Hazard Waste Operations & Emergency Response.
- Hazardous Chemicals in the Workplace.
- Hand and Power Tools.
- High Risk Work Authorization.
- Storm water Awareness.
- Scaffolding Awareness.
- Security and Crisis Management.
- Safety Risk Assessment.
- Walking, Working Surfaces and Ladder Safety.
- Waste Water Control & Permit Training.

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From 2018 till now
Employer	:	EGYPTROL , GE Energy Subcontractor
Project	:	West Damietta Project Combined Cycle Power Station (4x125MW) GTs GE 9E (Combined Cycle 750MW)
Job title	:	Mechanical Commissioning and Assistant Commissioning Manager (GE) and Assistant Operation Lead
Job Description	:	<ul style="list-style-type: none"> • Perform the Cold and Hot Commissioning Procedures for HRSG. • Perform Commissioning for control valves and motorized valves and calibration for Transmitters for HRSG. • Achieve Hot Passivation, Steam Blow and Chemical Cleaning for HRSG. • Perform ACC Hot cleaning (Air Cooled Condenser). • Perform Wet /Dry preservation procedures for HRSG. • Perform By-Pass Commissioning and start-up of 4 HRSG DOOSAN. • Perform protection tests for Gas Turbines GE, HRSG DOOSAN and ST GE (250MW) Mark Vie. • Perform Commissioning for the Diverter Damper.

- Perform Commissioning for CEMS (Continuous Emission Monitoring System).
- Start-up of Gas Turbines GE (Frame 9E+ (Mark VIe), 4x125MW) and start-up of DOOSAN 180T/H HRSG.
- Perform hot commissioning for Steam Turbine specially H2 filling for generator.
- Perform the hot commissioning Steam Turbines GE, Lube Oil, Seal Oil, Hydraulic Oil and Steam Seal System.
- Participate in commissioning of steam blow, by-pass Operation and start-up of GE Steam Turbines (250MW) and DOOSAN HRSG.
- Perform testing of Plant Operation in normal CC start-up with 4 GTs.
- Perform testing of Generator Excitation Power Stability System (PSS) at approx. 95% Load.
- Perform testing of Plant Operation in Load Variation with 4 GTs and ST and with 2 GTs and ST).
- Perform testing of Plant Recovery in ST 100% Base Load Rejection.
- Perform testing of Plant Operation in (3 GTs and ST) to (4 GTs and ST) CC Base Load Operation.
- Achieve Performance Test Procedures for HRSG and ST.

Dates : From 2015 till 2018
Employer : Middle Delta Electricity Production Company
Project : Talkha 750MW Combined Cycle
Job title : Maintenance Supervisor for ALSTOM Steam Turbine
Job Description :

- Participate in warranty inspection for ALSTOM (250MW) steam turbine.
- Participate in major jobs such as (ALSTOM Steam Turbines - HP - IP - LP) overhauls/shutdowns.
- Prepare the technical reports and scope of work for all mechanical maintenance jobs.
- Provided Mechanical Maintenance supervision preventive and corrective Maintenance to all equipment in the site.
- Provide a technical expertise and service support and troubleshooting.
- Coordinate and participate with other departments in modifications and designs.
- Provide studies of equipment failures, working with site functional leaders to identify corrective actions.
- Responsible for Co-ordination and control of planning and Execution for site setup, Manpower.
- Perform budgeting, time scheduling, planning of the Maintenance parts of the site.

Dates : From 2013 till 2015
Employer : GE Power & Water - PGS - O&M
Project : Sabiya CCGT Power Plant - Kuwait (Combined Cycle 2250MW)
Job title : Mechanical Commissioning & Operation Engineer
Job Description :

- Start-up of (6x250MW) GE Gas Turbines (MS9001FA), HYUNDAI HRSG, (3x250MW) GE Steam Turbines (D-11 Single Casing Condensing Double Flow) through speed- tropic Mark VI, all Bop Systems (HHI) and 400KV GIS of ABB.
- Participate in construction, commissioning steam blow, by-pass

Operation and start-up of GE Steam Turbines and HYUNDAI HRSG.

- Monitoring parameters, operation emergencies and carry out the daily operation activities.
- Follow-up of the work permits, tagging & isolation of the system.
- Follow-up the equipment routine changeover and protection.
- Responsibility for trouble shooting and make alarm tracing trough control system document.
- Preparation of all systems after outage until synchronizing to the grid and reach base load.
- Controlling Fuel gas compressor and gas oil system during start-up, shutdown.
- Performing Operation Routines and Recording Trip Logs for Individual Units.
- Hydrogen / Co2 Purging of Generators.
- Conducting Offline and Online Water wash & Gas Compressor Purging and Start-up from Local Plc in Accordance with Control Room.
- Adjusting Line Voltages According to Grid Demand by Changing Tap of Unit Transformers Online and Generator Terminal Voltages.
- Preparing Operation Procedures for Operation of Equipment such as Nitrogen Generator for Gas Compressors, Gas Compressors, Filtration Skids and other Installed Equipment According to Management Instructions.
- Performing Root Cause Analysis for Trips and Emergency Shutdowns by Analyzing Sequence of Events by Trends and Historian and Jotting Down Events for Supporting Engineering Team for The Same.
- Assisting Management in Zero Trip Drive by Evaluating Actions Related to Availability and Reliability with Co-ordination of Maintenance.
- Coordinating in Unit Recovery Activities, Ci and Hgpi Activities to Accelerate Maintenance Activities and Clear Punch Lists Associated with the Units.

Dates : From 2011 till 2013
Employer : Middle Delta Electricity Production Company
Project : Talkha 750MW Combined Cycle
Job title : Mechanical Maintenance Engineer for ALSTOM (250MW) steam turbine
Job Description :

- Participate in warranty inspection for ALSTOM (250MW) steam turbine.
- Responsible for Co-ordination and control of planning and Execution for site setup, Manpower.
- Perform budgeting, time scheduling, planning of the Maintenance parts of the site.

Dates : From 2007 till 2011
Employer : Middle Delta Electricity Production Company
Project : Talkha 750MW Combined Cycle
Job title : Mechanical Commissioning & Operation Engineer
Job Description :

- Participate in commissioning and start-up of SIEMENS V94.3A gas turbine.
- Operation of 2x250MW SIEMENS V94.3A gas turbine.
- Monitoring the operation of a power generating unit to ensure reliable and efficient power generation.

- Performing the unit start-ups and shutdowns per assigned Targets.
- Troubleshooting, effective response to emergency conditions and compliance to safety procedures.
- Diagnose and resolve day-to-day operational problems.
- Raising defects for equipment & doing isolation and de-isolation procedures according to the work permit.
- Perform high/medium voltage switching operations.
- Handling plant fire fighting.
- Start-up of CMI Energy and Skoda Praha HRSG.
- Participate in commissioning and start-up of ALSTOM (250MW) DKYZZ3-2N41C steam turbine.
- Participate in construction, commissioning, steam blow, by-pass Operation and start-up of ALSTOM (250MW) and CMI HRSG.
- Steam Turbine Operator for ALSTOM (250MW).
- First Shift Engineer for TALKHA Combined Cycle Station of (750MW).

Dates : From 2004 till 2007
Employer : Egyptian Army
Project : Military Service
Job title : Army Officer