

Holds a B. Sc. in Mechanical Power Engineering and a Diploma in gas turbine performance. Has over 14 years hands-on experience, including 13 years working in maintenance and commissioning at Power Stations.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 13/10/1984  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

## EDUCATION

- : B. Sc. in Mechanical Power Engineering, Mansoura University, 2006
- : High Graduate Diploma in gas turbine performance, Tanta University, 2018

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

- : Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Operation Training on Siemens CTG V94.3A, Nubaria Power Station.
- : I&C Operator and Maintenance Course on Siemens CTG V94.3A, Nubaria Power Station.
- : Basic Operation Training on Siemens CTG V94.3A, Nubaria Power Station.
- : Mechanical Maintenance Training, Nubaria Power Station.
- : Operation Training on Combined Cycle, Nubaria Power Station.
- : Operation Training on Switchyard, Nubaria Power Station.
- : Training course in the field of occupational safety and health, Nubaria Power Station.
- : Operation training on gas turbine and combined cycle by simulator by Nubaria Staff, Nubaria Power Station.
- : Training course in the field of maintenance management and inventory control (Amplissima), Talkha Power Station:
  - Work Order Module Functions.
  - Preventive Maintenance Module Functions.

- System Administrator Functions.
  - Plant Module Functions.
  - Document Module Functions.
  - Store Module Functions.
  - Purchasing Module Functions.
  - Report Generator Functions.
- : Training courses by New Horizons Centers Staff in:
- Project Management Fundamentals (PMF).
  - Project Management Professional (PMP).
  - Primavera (P6).
- : Operation and Maintenance Training on Siemens CTG V94.3A, Nubaria Power Station.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Aug. 2018 till now  
**Project** : Nubaria Power Station 2250MW for modules (I, II)  
**Job title** : Mechanical Engineer  
**Job Description** :

- Working in data analysis for gas turbine, steam turbine and Pumps.
- And also take vibration data for Pumps by commmtest vib8 device and make vibration data analysis.

**Dates** : From Apr. 2018 till Aug. 2018  
**Employer** : Bureau Veritas (BV) inspectorate team (France)  
**Job title** : Mechanical Engineer  
**Job Description** :

- BV works as third party between the OWNER Egyptian Electricity Holding Co. and the CONTRACTORS / SIEMENS to Evaluate the Punch List items and disputed points, in Beni Suef, New Capital and El Burullus Power Station.
- BV inspectorate team works in gas turbine, HRSG, steam turbine and water treatment.

**Dates** : From Apr. 2017 till Apr. 2018  
**Employer** : Elsewedy Electric PSP & Siemens  
**Project** : Beni Suef Power Station (4800MW) for Modules (10, 20, 30 and 40)  
**Job title** : Mechanical Commissioning Engineer  
**Job Description** :

- NEM heat recovery steam generator (HRSG) 8 units (Hydro test, chemical cleaning, steam blow, dismantling, inspection, maintenance, testing and maintaining for all valves).
- SIEMENS steam turbine (400MW) 4 units (Lub. Oil flushing, Dismantling, inspection, maintenance, testing and maintaining for all high pressure valves).
- Firefighting system & Chemical treatment system (pumps - valves).

**Dates** : From 2011 till 2017  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle Power Station (modules I & II)  
**Job title** : Mechanical Maintenance Engineer

- Job Description** :
- Participate in commissioning for GT, ST after inspection.
  - Participate in all warranty inspection for GT, ST.
  - Participate in inspection for generator for GE farm FA9001 (250MW), worked with GE's technical advisor company of that inspection (2013).
  - Participate in minor inspection for Mitsubishi steam turbine and the Condenser (250MW), worked with Mitsubishi's technical advisor Company of that inspection (2010).
  - Participate in warranty inspection for Mitsubishi steam turbine and the Condenser (250MW), worked with Mitsubishi's technical advisor Company of that inspection (2009).
  - Participate in Major inspection for Mitsubishi steam turbine and the Condenser (250MW), worked with Mitsubishi's Technical Advisor Company of that inspection (2/2016).
  - Participate in Major inspection for Mitsubishi steam turbine and the Condenser (250MW), worked with Mitsubishi's Technical Advisor Company of that inspection (11/2016).
  - Participate in Erection of wet compression system for Siemens gas turbine V94.3A (250MW), worked with Globle Company of that Erection (2011).
  - Participate in Erection of wet compression system for Siemens gas turbine V94.3A (250MW), worked with Globle Company of that Erection (2012).
  - Participate in CI inspection for GE gas turbine frame FA9001 (250MW), worked with GE's technical advisor company of that inspection (2012).
  - Participate in warranty inspection for GE gas turbine frame FA9001 (250MW), worked with GE's technical advisor company of that inspection (2013).
  - Participate in Major inspection for GE gas turbine frame FA9001 (250MW), worked with GE's technical advisor company of that inspection (2014).
  - Participate in minor inspection for Siemens gas turbine V94.3A (250MW), worked with Siemens group of that inspection (2008).
  - Participate in hot gas path inspection for Siemens gas turbine V94.3A (250MW), worked with Siemens group of that inspection (2009).
  - Participate in major inspection for Siemens gas turbine V94.3A (250MW), worked with Siemens group of that inspection (2011).
  - Participate in major inspection for Siemens gas turbine V94.3A (250MW), worked with Siemens group of that inspection (2012).
  - Participate in inspection and maintenance overhead cranes (120 Tons), worked with KUHNEZUG Company of that inspection.
  - Participate in mechanical store as Material Control Engineer for companies (Siemens, Mitsubishi, Initec, KSB, KUHNEZUG).
  - Participate in major inspection (LTE) for Siemens gas turbine V94.3A (250MW), worked with Siemens group of that inspection (2/2017).
  - Participate in major inspection (LTE) for Siemens gas turbine V94.3A (250MW), worked with Siemens group of that inspection (4/2017).

**Dates** : From 2010 till 2011  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle Power Station (module III)  
**Job title** : Mechanical Commissioning Engineer

- Job Description** : • GE (9FA) gas turbine 2 units (250MW).  
• Mitsubishi steam turbine 2 unit (250MW).  
• Alstom heat recovery steam generator (HRSG) 4 units.  
• Mechanical equipment and auxiliary.  
• Firefighting system (pre-action - wet - deluge - stand pips).  
• Chemical treatment system (pumps - valves).
- Dates** : From 2008 till 2010  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle Power Station (modules I & II)  
**Job title** : Mechanical Maintenance Engineer  
**Job Description** : • Siemens gas turbine 4 units (250MW).  
• Mitsubishi steam turbine 2 unit (250MW).  
• Alstom heat recovery steam generator (HRSG) 4 units.  
• Chemical treatment system (pumps - valves).  
• Overhaul Inspection pump house pumps and Maintenance compressor and travel screen.
- Dates** : From Nov. 2006 till Feb. 2008  
**Employer** : Engineering Center for Energy & Industry, Egypt / Cairo, known by ECEI (ECEI Company was Subcontractor of SIEMENS AG, Germany)  
**Project** : Shoubra El-Kheima, Cairo, Egypt Rehabilitation Project  
**Job title** : Mechanical Construction & Commissioning Engineer  
**Job Description** : • Installation / Commissioning of firefighting system, Pumps, Valves, Piping line, Pneumatic System, Hydraulic system & Lub. oil system.  
• Monitoring of certain erection and commissioning tasks and reporting to SIEMENS site management.  
• Responsible person for Environmental, Health and Safety Issues for ECEI Employees at site.  
• Scheduling and monitoring of ECEI erection tasks.  
• Coordination with customs authorities for material supplies from Germany.
- Field of experience** : • Welding and NDT:  
- Review welding Procedures Specification, Procedures Qualification Record and Welders Qualifications Tests with different welding processes (SMW, GMAW and SAW).  
- Witness for the, MT, RT, PT, Visual inspection in Pipe lines, boilers parts.  
- Review all Piping Skids Fabrication / erection inspection, post weld heat treatment survey and diagram check, Pneumatic and hydrostatic tests.  
• Inspection:  
- Review Inspection Check list for mechanical items (gas, steam turbine, boilers, Pumps & Valves).  
- Review Inspection Check list from firefighting items (piping, pumps & valves).  
- Review Inspection Check list from Chemical treatment items (pumps & valves).

- Review Final Documentation of Test Package for Piping & turbines & HRSG.
- Punch List Preparation, Test Pack Review & Final Approval.
- Material Inspection:
  - Conduct receiving inspection of all materials, Inspection is based on Project specification and relevant Standards such as ASTM, DIN.
  - Review and verifies all the relevant materials Certification to assure its compliance is based on Project specification and applicable Standards.
- Piping:
  - Preparing and reviewing piping specifications in accordance with the general codes (Go awareness of Bechtel Standards).
  - Preparing and reviewing Valves datasheets, Pumps, Vendor technical Specifications to assure the compliance with the design and technical requirements.
  - Provide Piping Technical Input to P&IDs including piping classes, valve types and items.
  - Experience in using the following Codes & Standards such as ASME Sec. I, ASME Sec. ASME Sec. V, ASME B31.1, ASME B31.3.
- Field Experience:
  - Commissioning, combustion inspection, hot gas path inspection and major inspection engineer for turbines.
  - Commissioning, steam blow test for the heat recovery steam generators and all related constructions (it's the most important test for the boiler Before starting).
  - Witnessing all field tests including hydro test and all NDT tests.
- Maintenance Experience:
  - Combustion inspection, hot gas path inspection and major inspection engineer for turbines.
  - Working in HRSG maintenance (preventive maintenance and overhaul maintenance).
  - Diesel engine maintenance.
  - Heat Exchangers maintenance.
  - Working in steam turbine maintenance (preventive maintenance and overhaul).
  - Maintenance all pumps (centrifugal - Positive displacement).
  - Maintenance all control, motors and manual valves.
  - Maintenance and testing all firefighting (deluge - pre-action - wet sprinkler).
  - Maintenance all Chemical treatment.
  - Lubrication and predictive maintenance.
  - Journal bearing maintenance.
  - Maintenance of compressor.
  - Waste water treatment maintenance (sump pump - valves - piping).
  - Safety and relief valves maintenance.
  - Alignment of all pumps.
  - Non-detractive testing of welded join.