

Holds a B. Sc. in Mechanical Power Engineering and has about 13 years hands-on experience, including 12 years working in operation, commissioning & start-up of gas and steam turbines.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 30/09/1979  
Gender : Male  
Marital Status : Married

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Zagazig University, 2002

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet  
: Adobe Acrobat Professional

## TRAINING COURSES AND CERTIFICATIONS

- : 3 months in UEEPC's (Upper Egypt for Electricity Production Company) Training Center (steam turbine systems, boiler and balance of plant).
- : Training course for 3 weeks in Damietta Combined Cycle Power Plant.
- : Training course for 6 weeks in Nubaria Combined Cycle Power Plant.
- : 3 weeks in Training Center about Gas Turbine operating by SIEMENS.
- : 2 weeks in DCS training for HRSG Ovation Operator Course by EMERSON.
- : 2 weeks in Steam Turbine Operating (Electr. & Mech.) by HITACHI.
- : 1 week in HRSG Operating (Electr. & Mech.) by CMI.
- : Training course for 1 month in gas turbine in Germany (by SIEMENS).
- : Training course for 1 month in HRSG operating in Belgium & Czech Rep.:
  - 3 weeks in Belgium for HRSG by CMI.
  - 1 week in Czech Rep. for Pumps Operating by SKODA:
    - HP/IP feed water Pumps.
    - LP feed water Pumps.
    - Condensate Pumps.

- : 1 month in Germany about Gas Turbine Operating by SIEMENS.
- : On-shore training in gas turbine, HRSG and steam turbine, commissioning, start-up and operation for gas turbine in KSA.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2015 till now  
**Project** : Assiut Combined Cycle Project (1500MW, 8x125MW GAS TURBINE frame 9 E & 2x250MW steam turbine)  
**Job title** : Mechanical Commissioning Engineer
- Dates** : From Sep. 2013 till Sep. 2014  
**Project** : EGEMER / ERZIN Combined Cycle Project (900MW, 2x280MW GAS TURBINE frame 9 FA & 1x280MW steam turbine), HATAY, TURKEY  
**Job title** : Lead Mechanical Commissioning Engineer
- Dates** : From Apr. 2013 till Aug. 2013  
**Project** : SEC / El-Qurayyat Project Gas Turbine GE frame 7 EA (2x65MW), KSA  
**Job title** : Deputy Operation Manager  
**Job Description** : Construction Supervision, operation, maintenance.
- Dates** : From Feb. 2012 till Apr. 2013  
**Project** : SEC / El-Qurayyah Project 6 modules (18x165MW Gas turbine frame 9 FA), KSA  
**Job title** : Lead Mechanical Commissioning Engineer  
**Job Description** : Construction Supervision, operation, maintenance & Lead Commissioning Engineer, responsible for the pre-commissioning and commissioning for the BOP and the main system and co-ordination with all disciplines (Mech., Elect. and I&C for reviewing punch list and pushing for closing, holding meeting with the client to discuss the plan as per the schedule).
- Dates** : From Apr. 2011 till Feb. 2012  
**Project** : SEC / El-Qurayyah Project, KSA  
**Job title** : Senior Mechanical Commissioning Engineer  
**Job Description** : Senior Mechanical Engineer supervision and leading for the preparing commissioning packages (CCC) for the BOP and the main system with co-ordination with the document control and the engineering and construction.
- Dates** : From Apr. 2010 till Mar. 2011  
**Project** : SEC / El-Qassim Project Gas turbine (4x65MW frame 7 EA), KSA  
**Job title** : Start-up & Commissioning Engineer, then Shift Engineer  
**Job Description** : Construction and operation Supervision and pre-commissioning and commissioning for all the systems and the gas turbine, co-coordinating with (Mech., Electrical, I&C, planning and engineering).

**Dates** : From Dec. 2008 till Apr. 2010  
**Employer** : Upper Egypt Electricity Production Company  
**Project** : El-Kureimat III Power Station Combined Cycle (1 module 750MW, 2x250MW gas turbine GE, frame 9 FA & 1x250MW steam turbine)  
**Job title** : Shift Operation Engineer  
**Job Description** : Responsibility for all the operation of combined cycle monitoring the operation and troubleshooting for the entire problem and declaring for the maintenance team following the PTW and LOTO after following all the start-up and commissioning activity with the contractors.

**Dates** : From Jun. 2005 till Dec. 2008  
**Employer** : Upper Egypt Electricity Production Company  
**Project** : El-Kureimat II (1 module 750MW, 2x250MW gas turbine SIEMENS, frame 94.3 A & 1x250MW steam turbine)  
**Job title** : Shift Operation Engineer  
**Job Description** : Responsibility for all the operation of combined cycle monitoring the operation and troubleshooting for all the problem and declaring for the maintenance team following the PTW and LOTO after following all the start-up and commissioning activity with the contractors.

**Dates** : From Jun. 2004 till Jun. 2005  
**Employer** : Upper Egypt Electricity Production Company  
**Project** : El-Kureimat I (2x650MW steam turbine)  
**Job title** : Field Engineer  
**Job Description** : Responsibility for all the monitoring of thermal boiler and the steam turbine including all the system during normal operation and troubleshooting with communication with the Control Room Engineer and the Shift Engineer, shutting down and start-up and normalizing the system as per the PTW and LOTO.

**Dates** : From Mar. 2003 till Mar. 2004  
**Employer** : Nahdet Misr Company for printing books  
**Job title** : Maintenance Engineer  
**Job Description** : Responsibility for the mechanical maintenance and predictive maintenance for the entire machines.

**Field of experience** :

- I started my career as a Maintenance Mechanical Engineer with a company in Egypt for printing books for one year. I was doing the maintenance and the predictive maintenance for the machine without affecting the production for the printing.
- Then I joined a big power plant (UEEPC) in 2004, I worked as Field Engineer monitoring the operation for thermal boiler and steam turbine for thermal plant (2x650MW), I had the ability to isolate the equipment and normalizing the systems as per the PTW and LOTO in a proper way and checking the system during normal operation and I had the ability to take action in case if any emergency without interruption the operation of the systems.
- Then I transferred to the new project in the same company (2x750MW) combined cycle project to follow the construction for the gas turbine (SIEMENS), I already handled lot of tests with the contractors

(hydro test, leakage test, ...) but the main job is to follow start-up and commissioning to work later in operation for the gas turbine.

- Then I promoted to be a Lead Shift Engineer for the operation with a complete staff from engineers and technicians, monitoring the operation of the gas turbine and taking action if needed I had responsible for the PTW AND LOTO, I attended the chemical cleaning and steam blow for the boiler and I became a Lead Shift Engineer for the combined cycle till 2010, monitoring the operation for the gas turbine familiar with the start-up and shut down for the combined cycle starting from the gas turbine until synchronizing for the steam turbine to the grid.
- I took a vacation from the company and I employed in Arabian BEMCO in Saudi Arabia as Start-up / Commissioning Engineer in El-Qassim gas turbine project (4x56MW - GE). I did all the pre-commissioning and commissioning for the auxiliary and main system for the gas turbine then Lead Shift Engineer for all the project, in 2011, then transferred to El-Qurayyah combined cycle project in the same company (6x750MW) starting preparing (commissioning package - CCC) for the BOP system and the main systems for the project for ten months and after finishing these packages I worked as a Lead Mechanical Commissioning Engineer for all the BOP system and the main systems. I was responsible for all the pre-commissioning including flushing, air blowing and run test for the equipment and leading the electrical to do the testing and commissioning for the switchgear to be ready for the power up and also leading the I&C to do the hot loop check, and function check to finish the commissioning for any system as a process.
- Then transferred to El-Qurayyat project working as a Deputy Manager for operation and preventive maintenance.
- In Sep. 2013 I joined a big company in Turkey (GAMA Power System Engineering & Contracting Inc) (consortium between GAMA & GE) and I was working as a Mechanical Commissioning Engineer. I started preparing the commissioning procedure for the BOP systems and pre-commissioning for GE systems, then I started commissioning (flushing, air blowing, testing) for the pumps, following function checks for the system with coordination with electrical and I&C team.
- In April I was working with GE as a Lead Mechanical Commissioning Engineer for gas turbine frame 9E at Assiut project (8x125MW) in Egypt.
- Main achievements:
  - Finishing the start-up and pre-commissioning and commissioning for the BOP system (Demin plant, electro-chlorination, closed cooling system, fire water system, instrument air and service air system, waste water system and the re-mineralization plant, potable water distribution) and the main system (condensate system and condenser vacuum system, water box priming system and all the sump pits related to the project, boiler feed system including the flushing and air blowing on the target time in El-Qurayyah Power Plant.
  - Preparing the commissioning packages for the Qurayyah Combined Cycle in the target time in 10 months for all the system of the project with my complete team.
  - Pre-commissioning and commissioning for the basic system for the gas turbine in El-Qassim project including the closed cooling system and fuel system, instrument and service air system,

air inlet system to the compressor, and operation for the gas turbine monitoring all the auxiliary systems and the main system for the turbine (lube oil system, seal cooling air system, and monitoring the turbine behavior from the frequency and voltage and excitation during connection to the grid, ...

- Pushing the construction people to close the punch list.
- Following the drawing with the engineering in case if any change for the design.
- In Egypt (UEEPC) I worked as a client following the start-up and commissioning finding the punch list and pushing for closing.
- Monitoring the combined cycle operation including all the auxiliary system during operation and solving all the problem without any interruption for the operation of the combined cycle during the critical stage (peak load).
- In Egypt (Nahdet Miser Company for printing books) Maintenance for the machines without affecting the production.
- I was working as a Lead Commissioning Engineer supervising all the construction activity and engineering technical issues and all the commissioning activities.
- I was working as a Deputy Manager for operation and maintenance in El-Qurayyat project in Saudi Arabia.
- I worked as a Lead Mechanical Commissioning Engineer in ERZIN / HATAY project in Turkey.
- Engineering Skills:
  - Development Planning scheduling, conducting and co-coordinating the technical aspects of projects, and Programs for following and forecast all Project Engineering activities using planning software.
  - Assist of preparations, review, follow up of engineering project/technical proposals for Rotating Equipment, Pumps, ESP (Electric Submersible) Pumps, Turbines, fans and piping).
  - Development with Process Engineering the Systematization and Prioritization Utilities and Process Systems in order to establish responsible Owners for Pre-commissioning, Commissioning and Start-up.
  - Coordination with operation personnel al the Documentation and Procedures for Commissioning and Start-up.
  - Develop of KPI's (Key Performance Indicators) for monitoring performance in equipment operations and take corrective actions.
  - Software packages (Windows Office, Primavera).
  - Field assistance and supervision in construction phase for equipment installation, Pre-commissioning, Turn Over, Commissioning and Start-up.
  - Coordination meetings with Operations and Subcontractors.