

**100173-MEC-1HMOSY-E-2004**  
**Commissioning & Start-up Team Leader**

Holds a B. Sc. in Mechanical Engineering and has about 15 years hands-on experience working in operation, maintenance, commissioning and start-up.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 09/01/1978  
Gender : Male  
Marital Status : Married  
Residence : Assiut

## EDUCATION

: B. Sc. in Mechanical Engineering, Assiut University, 2004  
: Post graduate Diploma in Mechanical Engineering (Thermal Power), Assiut University, 2010

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet  
: Primavera

## TRAINING COURSES AND CERTIFICATIONS

: Training in Assiut Oil Refining Co. (ASORC).  
: Course of Primavera, Assiut University.  
: Training for Rules of safety and health in Assiut Power Plant.  
: MS Excel

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Aug. 2018 till now  
**Employer** : Intecsa Company  
**Project** : Fertilizers Complex in Sokhna (FCS)  
**Job title** : Commissioning & Start-up Team Leader for 2 Steam turbines GE frame 6-8 MC9

**Job Description** : 

- Steam Blowing (continuous steam blowing, Check CFR and target) lube oil flushing for bearing.
- Lube oil flushing for lube oil system.
- Check all activity before start the steam turbine.
- Control oil system, steam turbine controller.
- Turning gear operation and function test on TG operation.
- Protection test for steam turbine.
- Steam purity specification and bypass operation.
- Valve test and preparation for start ST.
- Steam turbine protection test.
- Send all RFI and report about any problem in ST.
- Reporting to the Commissioning Manager.

**Dates** : From Dec. 2015 till May 2018

**Employer** : Samsung C&T

**Project** : Rabigh2 Independent Power Project (R2IPP) 3x685MW Combined Cycle, KSA

**Job title** : Mechanical Commissioning Lead

**Job Description** : 

- SCT Commissioning & Start-up Team Leader for 3 units ST / STG (SST-5000) for all system:
  - Steam Blowing (continuous steam blowing, Check CFR and target).
  - Lube oil flushing (adjusting throttle valve and lifting the shaft) and adjusted the sensor for bearing.
  - Check all activity before start the steam turbine.
  - Control oil system, steam turbine controller).
  - Turning gear operation and function test on TG operation.
  - Protection test for steam turbine.
  - Steam Turbine valve test ATT.
  - Steam purity specification and bypass operation.
  - Valve test and preparation for start ST.
  - Check all electrical test and synchronization.
  - Send all RFI and report about any problem in ST.
  - Reporting to the Commissioning Manager.
- Commissioning & Start-up Team Leader for Siemens Gas Turbine Model SGT-5000F- (5ee), which included:
  - GT Cold Commissioning:
    - ❖ Lube oil and control oil system flushing, restoration, on line leak test and final system pressure adjusting.
    - ❖ Turbine shaft lifting adjusting.
    - ❖ Adjusting Inlet Guide vane (IGV) and Variable Guide vane (VGV) and rotary position Calibrate.
    - ❖ Start T/G and rotor cooling air and compressor bleed lines air blowing.
    - ❖ Fuel oil system and Water injection system flushing restoration, on line leak test, bucket.
    - ❖ Test, barrel test and final CV test.
    - ❖ Fuel gas system air blowing, restoration, on line leak test and final CV test.
    - ❖ Pre-commissioning start-up testing Multi-function fuel system.

- ❖ Follow up GT commissioning book sign off.
- ❖ Commissioning for Purge Air system.
- ❖ Commissioning for Instrument air system.
- ❖ Check all test before first fire.
- ❖ GT turning gear.
- GT Hot Commissioning:
  - ❖ GT First fire up to FSNL.
  - ❖ GT pre-synchronization test and synchronization.
  - ❖ GT balancing support.
  - ❖ Support seam blowing.
  - ❖ Support seam admission.
  - ❖ Follow up the electrical test after first fire.
  - ❖ GT performance test and reliability test.
  - ❖ Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
  - ❖ Reporting to the Commissioning Manager.
  - ❖ Commissioning for fuel gas system, Fuel gas system have 7 gas compressors, 5 gas reduction stations, 4 water bath heaters.
  - ❖ Commissioning for Fuel oil system Arabian supper light ASL system.
  - ❖ Commissioning for N2 generation unit (2 units).

**Dates** : From May 2015 till Sep. 2015

**Employer** : [EGYPTROL](#), GE Subcontractor

**Project** : Assiut Power Project 8x125MW Simple Cycle

**Job title** : Mechanical Commissioning Lead

**Job Description** :
 

- Commissioning Engineer for GE Gas Turbine Frame 9E which included:
  - Lubrication oil and control oil Flushing.
  - Fuel Gas pipe line air blowing.
  - Fuel oil flushing.
  - Water injection flushing.
  - GT pre-commissioning, commissioning and start-up.
- Lead and coordinate Start-up and Operation activities.
- Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
- Reporting to the Commissioning Manager.

**Dates** : From Sep. 2013 till Apr. 2015

**Employer** : [EGYPTROL](#), SAMSUNG C&T Subcontractor

**Project** : Qurayyah Independent Power Project (6x750MW) – Combined Cycle, KSA

**Job title** : Mechanical Commissioning Engineer

**Job Description** :
 

- Walk down all the related systems.
- Receiving the related systems from QC.
- Systems Procedures Preparation.
- Commissioning Spare Parts Preparation.
- Coordination between the Customer and the Company.

- TOP Preparation.
- Commissioning Supervisor and Start-up Engineer for Siemens Gas Turbine SGT6-500F (DCS T3000) which included Gas blowing, Fuel oil flushing, and Water injection flushing.
- GT air blows, pre-commissioning start-up testing, Parker Multi-function fuel system, start-up and support for Phase C testing and on to the 30 day Reliability Run for GAS Turbine.
- Pre-commissioning / commissioning for fuel gas system. Fuel gas system has (13 gas compressors, 8 gas reduction stations, 7 water bath heaters Fuel oil system commissioning for fuel oil system, Commissioning for N2 generation unit (4 units).

**Dates** : From Sep. 2010 till Aug. 2013  
**Employer** : INITEC ENERGIA  
**Project** : El-Tebbin Thermal Power Plant (2x350MW)  
**Job title** : Commissioning & Start-up Engineer  
**Job Description** :

- Receiving the systems from QC (Quality Control) & Construction.
- Scheduling the procedure of the different systems.
- Preparation and execution of the pre-commissioning and commissioning tasks.
- Supervision of the planning works in advance.
- Motor heat-runs, system flushing, blow-out, chemical cleaning and restoration works.
- Starting of the systems with data sheet references.
- Commissioning and Start-up Engineer for plant BOP consisting of Circulating water pump, Service water pump, Condensate extraction pump, closed cooling pump, Boiler feed pump and Compressed air system.
- Commissioning for H2 generation plant.
- Hand over of the systems with the integrated rules.
- Work in partnership with English speaking workers.

**Dates** : From Apr. 2006 till Sep. 2010  
**Employer** : Upper Egypt Electricity Production Co.  
**Project** : Assiut Thermal Power Plant (2x312MW)  
**Job title** : Shift Charge Engineer  
**Job Description** :

- Responsible for the safe start-up, shutdown and units normal operation.
- Operation of 312MW steam turbines (Toshiba and Ansaldo) and its auxiliaries.
- Operation for two boilers (Mitsubishi and Ansaldo 1025 t/h), forced and natural circulation and its auxiliaries.
- Good knowledge of security and safety procedures for operation of Thermal Power Plant.
- Operation of 220KV switchgear.
- Operation of H2 generation plants, 50 t/h auxiliary boiler and Diesel generator 2x1.2MW.
- Follow up the auxiliary system (fire fighting system, service cooling).
- Good dealing for industrial safety requirements.
- Issue the maintenance requests and follow up the executing work permits with Maintenance Team.

- Co-operation maintenance staff during overall maintenance periods with Mitsubishi Heavy Industries Company & Ansaldo Energia Company.

- Dates** : From Oct. 2004 till Mar. 2006
- Project** : Sharm El-Sheikh (Gulf Sinai) Desalination & Treatment Plant
- Job title** : Mechanical Maintenance & Operation Engineer
- Job Description** :
- Rotary pump (gear - screw).
  - Centrifugal pump (axial - radial - mixed flow) horizontal, vertical.
  - Maintenance water treatment plant (pre-treatment, demineralization).
  - Maintenance waste water treatment and sewage plant.
  - Maintenance for HVAC system.
  - Maintenance for firefighting system and diesel generator.
  - Water Firefighting system.
  - FM200 firefighting system.
- Further experience** : Significant experience on different maintenance work types like:
- Routine maintenance work.
  - Preventive maintenance work.
  - Predictive maintenance work.
  - Emergency maintenance work.
  - Overhaul maintenance work.