

**106096-MEC-1CMVY-E-2008**  
**Lead Mechanical Construction Engineer**

Holds a B. Sc. in Mechanical Power Engineering and has more than 12 years of experience in electro-mechanical installation & mechanical installation in Power Generation sector. Has experience in EPC project (Engineering, Procurement, and Construction), simple cycle power plant and combined cycle power plant (CCGT) and thermal power plant and piping fabrication and installation and all mechanical installation and fabrication.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 09/11/1985  
Gender : Male  
Marital Status : Married  
Residence : Giza, Cairo

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 2008

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Apr. 2019 till now  
**Employer** : AC BOILERS (formerly Ansaldo Caldaie S.P.A) (main contractor)  
**Project** : ASSIUT 1x650MW Supercritical Power Plant  
**Job title** : Lead Mechanical Construction Engineer  
**Job Description** : Installation Supercritical boiler 1x650MW:

- Assembly and start-up AIR-GAS PREHEATER (HUWDEN machine) (rotating Equipment) (install girder, bottom structure, end pillar, top sector plate, rotor, basket, seals, ...).
- Installation and alignment Forced Draft FAN (VARIAX TYPE F.D.FAN) and Gas re-circulation FAN (G.R.FAN) (HUWDEN Equipment), Lube oil & Hydraulic oil Skids, pumps.
- Install and adjust dampers.
- Install burners.
- Install soot blowers.

- Rotating and stationary equipment.

**Dates** : From Feb. 2017 till Mar. 2019  
**Employer** : AC BOILERS (formerly Ansaldo Caldaie S.P.A) (main contractor)  
**Project** : South Helwan 3x650MW Supercritical Power Plant  
**Job title** : Lead Mechanical Construction Engineer  
**Job Description** : Install Thermal Supercritical boiler 3x650MW:
 

- Assembly and start-up AIR-GAS PREHEATER (HUWDEN Equipment) (rotating Equipment) (install girder, bottom structure, end pillar, top sector plate, rotor, basket, seals, ...).
- Installation and alignment Forced Draft FAN (POWER FAN TYPE F.D.FAN) and Gas re-circulation FAN (G.R.FAN) (HUWDEN Equipment), Lube oil & Hydraulic oil Skids, pumps.
- Install and adjust dampers.
- Install burners.
- Install soot blowers.
- Rotating and stationary equipment's.

**Dates** : From Mar. 2016 till Feb. 2017  
**Employer** : Electric Power System Company (PSP) consortium with SIEMENS (main contractor)  
**Project** : Beni Suef Combined Cycle Power Plant 4800MW (4 Modules, each module 1200MW) (Fast Track Project)  
**Job title** : Lead Mechanical Construction Engineer with main contractor PSP  
**Job Description** : Scope: Mechanical Installation for two Siemens gas turbines each one 400MW (SGT5-8000H/SGEN5-2000H) and installation two HRSG (NEM energy BV).

**Dates** : From Oct. 2015 till Feb. 2016  
**Employer** : MEGA  
**Project** : Giza North Combined Cycle Power Plant 2250MW  
**Job title** : Construction Manager with Subcontractor Company  
**Job Description** : Scope: Follow works at Combined Cycle at CP-118A.

**Dates** : From Apr. 2015 till Oct. 2015  
**Employer** : MEGA  
**Project** : SAMALOT TM 2500 GAS TURBINE POWER PLANT (Fast Track Project)  
**Job title** : Site Manager at TM 2500GT Power Plant with Subcontractor  
**Job Description** : Scope:
 

- How to finish mobilization as GE requirements.
- How to organize all staff as groups to work.
- Order and prepare all tools needed to work.
- Do All daily report and weekly reports.
- Follow GE procedure for assembly.
- Plan all activity to achieve the best to minimize the time to finish the work.
- Level the main trailer and Auxiliary trailer.
- Assembly stacks and air inlet filters for turbine after remove covers and

clean surface.

- Assembly generator filters with gasket.
- Connect cables between main and auxiliary trailer.
- Alignment for turbine and generator.
- Fill hydraulic & jet and generator oils.
- Download transformer and assembly its parts & fill oil and filtration.
- Download fuel tanks and fixed it.
- Welding all piping and fabrication & connect all pipes.
- All cables connection and luge end.
- Finish all punch list.

**Dates** : From Aug. 2013 till Mar. 2015  
**Employer** : MEGA  
**Project** : KFW Project 200MW G8X WIND TURBINE at Gabal El Zayet wind farm, Egypt  
**Job title** : SITE Manager with Subcontractor Company in WIND FARM  
**Job Description** :

- Scope: management construction group to assembly.
- Unloading 3 section of the tower & blades & nacelle and the hub.
- Assembly the tower (3 section & nacelle & blades).
- Install the platform and ladder for the tower.
- Connect the cables in the tower with control room.
- Re torque the bolts for all flanges and tension blades.
- Complete check for the turbine to receive to GAMESA.
- Install switch gear beside the tower.
- How to order group for work and control the worker.
- Reports (daily-weekly-monthly).
- Finish list of money for my company.
- Provide services for main contractor and try satisfying main contractor.
- Try to solve all problems occurred in the site.
- How to improve efficiency the work and push the worker.
- How to deliver the turbine to client and main contractor.

**Dates** : From Jul. 2009 till Aug. 2013  
**Employer** : UPPER EGYPT ELECTRICITY PRODUCTION COMPANY (UEEPC)  
**Project** : El-Kureimat Power Station 2x627MW  
**Job title** : Senior Mechanical Maintenance Engineer  
**Job Description** :

- Scope: Carrying out two overall maintenance for the boiler (2x627MW).
- Valves (Globe - Gate - Ball - Needle - check - Butterfly - control valve) maintenance & lapping for valves – check the spar parts and change (seat, disk, stem) for valves such as (safety – atomizing – drain –vent – shutoff for gas and oil fuel - dialog v/v for fire fitting system) valves.
- Maintenance of pumps (centrifugal - vane - diaphragm - sump pump - submerged pump) such as (reboiler p/p, oil fuel p/p, air heater wash p/p, service water p/p, blow down submerged p/p, additive p/p) & make Alignment for pumps – check the spare parts and change (shaft, impeller, mechanical seal, bearing....) for pumps.
- Maintenance of fans (forced draft fan - gas recirculation fan - seal air fan - flame scanner fan - stack fan) – check the spare parts and check inboard & outboard Bearing and change the outboard bearing & oil rings

- for forced draft fan and make Alignment for fans & check the coupling and greasing it for fans & wash the forced draft fan.
- Air preheater: change the cold and hot basket & radial and axial seal plate & upper and lower bearing & free wheel and fan of air motor for air preheater and change feed tube of soot blower for washing air preheater.
- Steam coil air heater: how test the steam coil heater and repair pipe which has leakage.

**Dates** : From Apr. 2009 till Jul. 2009  
**Employer** : Project Service Company (PSC)  
**Project** : El-Kureimat Solar Energy Power Plant  
**Job title** : Mechanical Engineer with Subcontractor Co.  
**Job Description** : Scope: Mechanical Site Engineer (unloading for gas turbine and gear box and generator & Alignment of gas turbine with gearbox and generator & unloading for battery room & PEEC system container & fire fighting system (CO2 pipes) & lube oil of turbine).

**Dates** : From Aug. 2008 till Apr. 2009  
**Employer** : DSD FERROMETALCO  
**Project** : Zafarana JBIC & DANIDA G5X (wind farm field)  
**Job title** : Site Engineer with Subcontractor Co.  
**Job Description** : Scope:

- Unloading 3 section of the tower & blades & nacelle.
- Install the tower (3 section & nacelle & blades).
- Install the platform and ladder for the tower.
- Connect the cables in the tower with control room.
- Re torque the bolts for all flanges.
- Complete check for the turbine to receive to GAMESA.

**Dates** : From Jun. 2007 till Sep. 2007  
**Employer** : Kahromika  
**Project** : New Kureimat Combined Power Plant  
**Job title** : Site Engineer with Subcontractor Co.  
**Job Description** : Scope: INSTALL all skids and alignment pumps (HP, LP, IP).

**Dates** : From Jun. 2006 till Sep. 2006  
**Employer** : DSD Feromatalico  
**Project** : EL-KUREIMAT (2) 1x750MW CCPP  
**Job title** : Site Engineer with Subcontractor Co.  
**Job Description** : Scope: INSTALL GAS turbine 9FA and all skids, air intake, generator.

**Field of experience** :

- Responsible for inspection of cheeping and installation of leveling pad and checking elevation of foundation for the preparation of erection of equipment.
- Check alignment of equipment such as column, alignment of fin fan blade and motors by using some mechanical tools.

- Preparation review, revision and control of mechanical and structural work procedure.
- Control and inspection activities static and rotating equipment such as pumps, diverter dumper, air heaters.
- Carrying out the welding inspection before, during and after welding operation as per approved test plan, relevant Engineering drawing, international standard and project specification.
- Dimension check according to the released drawing for fabrication.
- Review engineering documentation from contractors. Approve specifications and datasheets related to the materials and components selected by the Contractor.
- Supervise the correct handling and installation of all materials during receipt, loading to installation position and during installation.
- Inspect the physical works carried out by contractors to ensure quality and accuracy of all construction.
- Ensure the requirements of contract and engineering documentation are carried through to construction.
- Ensure lock-out and permitting procedures are followed when working with electrical systems.
- Provide safety supervision at the site, reviewing Contractor method statements and procedures.
- The person who ensure nuts are tightened, construction is according to drawings, and that damages, errors and reworks are minimized.
- Report to Site Manager.