

# 103397-MEC-14CKSVY-E-2010

## Commissioning Team Leader Engineer

Holds a B. Sc. in Mechanical Engineering and has over 9 years hands-on experience, including 7 years working in Oil & Gas and Power Plants (HCU, SWS, ARU, SRU, TGTU, SSU, Boiler, Gas Turbine, Generator & Steam Turbine, and BOP Auxiliaries) Utilities, Rotating, Equipment, Piping, Stack.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 04/12/1989  
Gender : Male  
Marital Status : Single  
Residence : Suez

### EDUCATION

: B. Sc. in Mechanical Engineering, Banha University, 2010

### LANGUAGES

Arabic : Native Language  
English : Good

### COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: AutoCAD 2D & 3D  
: Primavera P6  
: Solid Works

### TRAINING COURSES AND CERTIFICATIONS

- : Course Planning of Maintenance Operations from AUC - ESS.
- : Course Code ASME B31.1 Power Piping from AUC - ESS.
- : Course Quality Control & Destructive Tests from British Institute.
- : Certified Welding Inspector – CWI No. 17051134.
- : H2S and N2 Awareness & LOTO system (GS E&C Internal Course).
- : PTW (Permit To Work) Training / Certified Permit Issuing Authority (GS E&C).
- : Non-Destructive Tests, International Oil & Services Co.:
  - Course Visual Test (VT) according to ASNT Level II (SNT-TC-1A).
  - Course Penetrate Test (PT) according to ASNT Level II (SNT-TC-1A).
  - Course Magnetic Particles Testing (MT) according to ASNT Level II

- (SNT-TC-1A).
- Course Radiographic Testing (RT) according to ASNT Level II (SNT-TC-1A).
- Course Ultrasonic Testing (UT) according to ASNT Level II (SNT-TC-1A).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2017 till now
- Employer** : GS E&C
- Project** : ERC Refinery Project (Egypt)  
 An Oil Refinery located in Mostorod Area, Cairo, EGYPT, with capacity 140,000 BPD, Operates different units as NHT, CCR, DHT, HCU, HPU, VDU, DCU, DEU, Sour Water Stripping Unit, Amine Treatment and Regeneration Unit, Utilities, Sulphur Recovery Unit , TGTU and SSU.
- Job title** : Commissioning Team Leader Engineer
- Job Description** :
- Commissioning Engineer, responsible for all Pre-commissioning / Commissioning, Maintenance (Static), Supervisor for Rotating.
  - Prepare Manuals and detail Procedures for Pre-Commissioning and Commissioning works to be executed (Utilities Servicing / MRT for Rotating equipment / Chemical Packages Servicing / Steam out / Sulphur Loading / Sulphur Solidification Unit Commissioning / Amine Degreasing / Catalyst Loading / Lube oil Flushing /Refractory Dry out / Start-up & Shutdown Procedures.
  - Field Supervisor all actives Commissioning and Start-up.
  - Following inspection installation of (Rotating & Static) Equipment.
  - Following inspection installation, level and Alignment Mechanical Equipment.
  - Reviewed all test work packages prior to start the Hydro Test for all contracts.
  - Responsible for check and request Painting all flanges test limit as per Test Packages and air blowing, Passing Test, Lube oil Flushing, Water Flushing and steam blowing.
  - Making request selection of Materials for Re-instatement all test limit and check all Flange Management.
  - Leak test as per Procedures, Steam out, and amine degreasing for ARU 1 & 2 and SRU and Oxygen removal test.
  - Final Inspection and Box-up with (KT) International for (Static) Equipment and Process lines of (three Train for Sulphur Recovery Units – SRU and TGTU).
  - Responsible Final Inspection and Box-up for (Rotating & Static) Equipment and Process lines for (ARU 1, 2 & SWS 1, 2) Unit.
  - Soda Boiling & Dry-out for three Train and Incinerator.
  - Responsible for Catalyst loading to 1st-2nd Claus for three Train , Reduction Reactor and Active Carbon Basket, loading Amine and Sulphur Tank.
  - Report work status to the Commissioning Manager/Area superintended.
  - Review and check test package (as built drawing, punch list, P&ID, calibration equipment's reports used in hydro test, Flushing & Re-instatement).
  - Following the project schedule with planning team.

- Daily handling proper documentation.
- Knowledge of P&ID, PFD, Drawing.
- Implement Pre-commissioning and Commissioning Procedures relevant to his discipline or Sub-system/System/Unit.
- Co-ordinate with Construction, QC, Rotating Maintenance, Instrument, Electricals, Process and Planning Departments.
- Punching and inspecting the vessel internals prior to handover to commissioning.
- Coordinating all Maintenance work with other sections and supervising site technicians.
- Coordinating for Hydro-test and Flushing “Support TFT Construction” three months for decrees backlog Hydro-test.
- Coordinate Flange Management and Flushing Packages and Re-instatement with Subcontractors.
- Participate in Process and Process Safety Reviews such as Design Review, HAZID, HAZOP, Risk assessments and action item resolution plans to mitigate safety hazards and reduce operational risks.
- Understand and implement all safety procedures and permit to work procedures to achieve highest safety standards.
- Issue Permit to Work for all disciplines in SRU / SWS / ARU Areas.
- Good knowledge of HSE processes and requirements.
- The main responsibility is to lead the Stationary Equipment mechanical works for Area 1, which includes erection and installation of the following equipment:
  - Incinerator, Fuel Gas Coalesce, Waste Heat Recovery Package, Waste Heat Boiler, Thermal Reactor, 1st/2nd Claus Reactor, Degassing Column, 1<sup>st</sup>/2nd/3rd Sulphur Condenser, 1<sup>st</sup>/2nd Claus Reactor Re-heater, Sulphur Drum, SWS Acid Gas Separator, Export Blow, Sulphur Tank.
  - Quench Tower, Amine Absorber, Regenerator, Reduction Reactor, Amine Mechanical Filter, Active Carbon Basket, Amine Storage Tank.
  - Sour Water Stripper, Flash Gas Amine Absorber, Sour Water Flash Drum.
  - Off gas Amine Absorber, Amine Absorber, Amine Regenerator.
  - Air Compressor, Recycle Gas Blowers, Pumps, Air cooler and Steam Turbine.

**Dates** : From Apr. 2016 till Apr. 2017

**Employer** : PSP

**Project** : BENI SUEF COMBINED CYCLE POWER PLANT 4800MW

**Job title** : Mechanical Engineer

**Job Description** :
 

- Scope of Work: Construction & Commissioning Gas Turbine Two Unit 40 & 10; Steam Turbine Unit 30 & 40.
- Responsible for the installation of (Rotating & Static) Equipment.
- Gas Turbine SGT5-2000E (7), Generator, ALL Equipment, combustion chamber, Air Intake, GT Noise Enclosure, Ventilation Duct System, Diffuse, Stack, Base Module, Transformer Fire Fighting System, network piping and CO2 System-SGJ.
- Two Siemens SST5-5000 steam turbines, SGEN-2000 Hydrogen

generators, and associated support equipment. Calculated alignment moves, associated auxiliary equipment and casting Assembly.

- Familiar the projects specifications related to scope of work Drawing, Quality plan, Procedures, Codes, ITP or FQP and Qualifying Welder... etc.
- Check Foundation, Axes, anchor before installation any Equipment According to Drawing and ITP or FQP.
- Review and check test package (as built drawing, punch list, P&ID , NDT reports, welding summary, calibration equipment's reports used in hydro test, Flushing & Re-instatement).
- Following inspection installation of (Rotating & Static) Equipment.
- Following inspection installation, level and Alignment Mechanical Equipment.
- Following Fit-up According to Drawing, Good ability to make a dimensional inspection of piping, nozzles & steel and visual inspection during welding process of joints and after welding.
- Generate daily, weekly and monthly reports on the quality status of all activities with their schedule for completion.
- Non-conformance Reports "NCR" either internal or issued by the consultant as required, send RFI and IR.
- Familiar the API, ASME, ANSI, ASTM, AWS Code for welding and brazing qualification and Procedure welder qualification (WPS / PQR).
- Good knowledge of project management processes.
- Good knowledge of EHS processes and requirements.

**Dates** : From May 2015 till Mar. 2016  
**Employer** : MCC  
**Project** : BENI SUEF COMBINED CYCLE POWER PLANT 4800MW  
**Job title** : Mechanical Engineer  
**Job Description** : Scope of Work: in Construction & Commissioning Gas Turbine Two Units.

**Dates** : From Oct. 2012 till Apr. 2015  
**Employer** : DOOSAN Heavy Industries & Construction Co. Ltd  
**Project** : Ain Sokhna Power Plant (650MWx2)  
**Job title** : Commissioning & Operation Engineer  
**Job Description** :

- Field Supervisor all actives Commissioning and Start-up.
- Final Box-up Inspection with Owner for static Equipment and piping.
- Field Supervisor for Flushing and Steam blowing and testing for the boiler.
- Local Operator in the boiler and support DCS.
- Check and Maintenance all a System piping, flanges, valves, pumps, fan, blower, cooler, steam trap, ATM vent bird screen.
- Feed water flow system, Fuel gas supply system, Soot blower system.
- Combustion air system, Air preheated system, Blow down system.
- Secondary and final super heater system, Fire Fainting system.
- Air Duct System, Steam water analysis system (SWAS) (FD fan, GR fan, SA fan, PA fan, SCA fan), (Burner & Gas Air Hater), (BRP Pump, SCAH Pump and Condensate Pump).

**Dates** : From Jul. 2011 till Sep. 2012  
**Employer** : Military Engineers Administration  
**Project** : Military Service  
**Job title** : Mechanical Engineer  
**Job Description** :

- Work on the follow-up projects Civil Administration.
- Data entry for each data daily report.
- Supervision of metal construction and quality assurance.

**Dates** : From Sep. 2010 till May 2011  
**Employer** : Alphabet Plastic Industries  
**Job title** : QC Mechanical Engineer  
**Job Description** :

- Inspection test of piping by Pneumatic test.
- Identify defects pipe and method of manufacturing by machinery.

**Field of experience** :

- Well qualified in Commissioning, Process, Start-up, Maintenance (Rotating & Static) Equipment.
- Over 7 years of Oil & Gas and Power Plants (HCU, SWS, ARU, SRU, TGTU, SSU, Boiler, Gas Turbine, Generator & Steam Turbine, and BOP Auxiliaries) Utilities, Rotating, Equipment, Piping, Stack.
- Familiar with API, ASME, ANSI, ASTM, and AWS knowledge ISO 9001:2015.