

103339-MEC-1S-E-2012
Mechanical Commissioning Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 4 years hands-on experience working in different type of power plants (Diesel Generators, Simple and Combined cycle) and Oil & Gas field in Pre-Commissioning, Commissioning activities.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 12/03/1990
Gender : Male
Marital Status : Single
Residence : Damietta

EDUCATION

: B. Sc. in Mechanical Power Engineering, Port Said University, 2012

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Solid Works (Mechanical Engineering Drawing Software)
: AutoCAD & Navisworks Freedom

TRAINING COURSES AND CERTIFICATIONS

: OSHA Training – General Industry Safety and Health.
: MAZ for training solution (diesel engines maintenance).
: Hydraulic System Fundamentals at (MAZ) for Training Solution.
: Ultrasonic Testing (UT) according to ASNT Level II (SNT-TC-1A).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2016 till now
Employer : Egyptian Maintenance Company (EMC)
Project : TAURUS-LIBRA Project – SHUTDOWN
Job title : Piping Commissioning Engineer

Job Description :

- Modules description: TL ONSHORE MODIFICATIONS.
- Supervise all pre-commissioning activities per each system.
- Checking for final reinstatement and create a Punch List.
- Review test package per each system & attend the mechanical completion.
- Supervise and attend the leak test per each system.
- Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.

Dates : From Mar. 2016 till Nov. 2016

Employer : ENPPI

Project : West Harbour Expansion Project – SHUTDOWN

Job title : Mechanical Commissioning Engineer

Job Description :

- Modules description:
 - One Turbo-compressor (SOLAR MARS 100).
 - Three I&U Air Compressors (Ingersoll Rand).
 - One Nitrogen Generation Package (Generon).
 - One Nitrogen Back up System (Howden).
 - One MEG Regeneration Package (SINI).
- Shutdown activities:
 - Checking for final reinstatement and create a Punch List.
 - Review nitrogen purge loops by system and witness for purging.
 - Supervise the hot tapping, Hydro-static test and flushing for each system.
 - Responsible for the leak test per each system.
 - Responsible for technical solution for deviation from engineering.
- After Shutdown activities:
 - Carry out all Pre-commissioning activities for Turbo-compressor (SOLAR MARS 100) & all new packages (MEG Regeneration Package ...).
 - Assist operation staff to achieve the optimum operation conditions for the units.

Dates : From Apr. 2015 till Mar. 2016

Employer : Orascom for Construction & Industries

Project : Damietta Site Fast Track Simple Cycle (4x125MW GE CTG Type (9FA))

Job title : Mechanical Commissioning Engineer

Job Description :

- Commissioning Engineer for GE Gas Turbine Frame 9E with Orascom Company in West Damietta (4x125MW) simple cycle, which included:
 - Fuel Oil system and Water Injection system flushing.
 - Fuel Gas system air blowing, restoration, on line leak test.
 - Lube Oil and Control Oil system flushing, restoration, on line leak test and final system pressure adjusting.
- Commissioning and start-up for the BOP water and compressed air system.
- Supervise all Pre-commissioning activities (Hydro-test, closed cooling system, CO2 system).
- Preparing and Carry out the first run test for all rotating equipment and follow-up operation until achieve the operation condition.

- Commissioning & start-up for firefighting system for gas turbine portion.
- Line up for (lube oil, control oil, air and fuel gas, instrument air...) before initial fire.
- Assist gas turbine operation staff on daily basis to achieve the optimum operation conditions for the units.

Dates : From Oct. 2013 till Apr. 2015

Employer : MEGA for construction & industries

Project : North Giza Site Combined Cycle
(2x250MW GE CTG Type MS9001 (9FA), 1x250MW STG, Ansaldo, Two STF Horizontal HRSG)

Job title : Mechanical Commissioning Engineer

Job Description :

- Commissioning & Start-up Engineer for GE Gas Turbine Frame 9FA with MEGA Company in North Giza Power Plant (3x750MW) combined cycle, which included:
 - Lubrication oil and control oil flushing.
 - Fuel Gas pipe line air blowing.
 - Fuel oil flushing.
 - Water injection flushing.
 - Carry out GT Pre-commissioning activates.
- Follow-up all commissioning activities for Closed cooling system, Lubrication skid system, Circulating pump system, Service pump system, Self-cleaning filter, Lubrication skid system, Demine water system, Sum. Pump system, Air compressors, Hydrogen gas system, High, intermediate & low pressure line steam blowing.
- Preparing and carry out the first run test for all rotating equipment and follow-up operation until achieve the required efficiency.
- Chemical Cleaning and Operation Engineer for BOP.

Dates : From Nov. 2012 till Oct. 2013

Employer : EMC (Egyptian Maintenance Company)

Projects : Abu Madi Fields, Port Said Fields

Job title : Mechanical Engineer

Job Description :

- Mechanical Engineer with EMC Company at additional fields (Upgrading, LPG, LTS, Al-Qaraa).
- Simplified for all P&ID and Complete isometric Drawings for the plant.
- Assist the maintenance department in the planning and scheduling of inspection activities to facilitate effective integrity of assets.
- Carry out the Pre-commissioning activities – new connections (Condensate system, gasoline system ...).

Field of experience :

- Good knowledge of API 570, API 571, ASME Section V.
- Solid technical and engineering knowledge.