

105277-MEC-1HMOS-E-2004
Mechanical Commissioning Engineer

Holds a B. Sc. in Mechanical Engineering and has about 15 years hands-on experience, including 12 years working in Power Plants maintenance, operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 24/08/1981
Gender : Male
Marital Status : Married
Residence : Currently Kuwait

EDUCATION

: B. Sc. in Mechanical Engineering, Mansoura University, 2004

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Ovation Operator Course at New Talkha Power Station Site.
: Alignment course in New Talkha Power Station Site.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2018 till now
Employer : Alghanim International General Trading & Cont. Co. in Kuwait
Project : SABIYA Stage 3 Combined Cycle 750MW
Job title : Mechanical Commissioning Engineer
Job Description :

- Performing the commissioning and start-up of Siemens Gas Turbines (SGT5-4000F).
- Performing the commissioning and start-up of Gas oil supply and forwarding pumps as well as treatment plant.
- Performing the commissioning and start-up of Gas Oil Centrifuge.
- Performing the commissioning and start-up of HVAC Chilled Water pumps.

- Performing the commissioning and start-up of chillers (CARRIER).
- Performing the commissioning and start-up of Fire water pumps and associated system.
- Performing the commissioning and start-up of Cooling tower fans as well as circulating pumps.
- Performing the commissioning and start-up of HRSG (BHI) and associated systems.
- Performing the commissioning and start-up of Siemens steam turbine (SST5-5000) as well as its associated systems.

Dates : From Jun. 2018 till Aug. 2018
Employer : [EGYPTROL](#), GE Energy Subcontractor
Project : WEST DAMIETTA Power Plant 750MW
Job title : Commissioning & Operation Engineer
Job Description :

- Start-up and Commissioning Engineer of the GE steam turbine.
- System walk-downs to identify mechanical punch-list items.
- Dealing with MARK VI controller.

Dates : From Jan. 2018 till May 2018
Employer : TECHINT
Project : WEST DAMIETTA Power Plant 750MW
Job title : Commissioning & Operation Engineer
Job Description :

- Start-up and Commissioning Engineer.
- Shift Supervisor for BOP during plant continuous operation.
- Start-up and Commissioning Engineer: Feed water Pumps, Condensate System, Closed Cooling systems, Potable water system, Chemical system, Fire system, and water treatment plant).
- Hydro test and Chemical cleaning (Feed water - Condensate - Closed Cooling - LP system - HP system).
- Air blows on instrument air and service air systems.
- Start-up and lineup Steam blowing.
- System walk-downs to identify mechanical punch-list items.
- Dealing with Foxboro controller.

Dates : From Nov. 2017 till Dec. 2017
Employer : ELSEWEDY PSP
Projects :

- ATTAQA Power Plant 650MW simple cycle which consists of (4x160MW) Siemens (SGT-2000E)
- EL-MAHMOUDIA POWER PLANT 336MW simple cycle (2x168) Gas Turbine Ansaldo

Job title : Commissioning & Warranty Engineer

Dates : From May 2016 till Oct. 2017
Employer : MDEPC
Project : BURULLUS 4800MW Combined Cycle Power Station
Job title : Mechanical Engineer
Job Description :

- Performing the commissioning and start-up of the Gas Turbines (SGT5-8000H), Generators (SGEN5-2000H) and their Auxiliaries.

- Performing the commissioning of the diverter damper of the Diffuser and Bypass Stack for the Gas Turbine.
- Performing the commissioning of the HRSGs (NEM) and their Auxiliaries.
- Performing the commissioning of the Steam Turbines (SST5-5000).
- Performing the commissioning of the Cooling Towers (HAMON).
- Attendance the Rotor Balance and Over Speed Test For the Gas Turbine in GERMANY.
- Performing all equipment's Tests according to Standard with QC/QA Engineers after Marking the FQPs and ITPs.
- Attend the Weekly Meeting with the Contractors.
- Check the Spare Parts packing List according to the Contract.
- Performing the Commissioning of the Gas Turbines Auxiliaries.
- Performing the commissioning of the BOP (firefighting, water treatment, waste water and intake water) for all the Plant.
- The issuance of Mechanical Punch List Attached to ECC, CCC and TOAC and the following up of all Carried out Item Related to that Lists by the Contractor.
- Check the TOP documents.

Dates	:	From Oct. 2011 till Apr. 2016
Employer	:	MDEPC
Project	:	New Talkha Combined Cycle Power Station (750MW) Consists of: 2x250MW Siemens Gas Turbines (SGT5-4000F), 2 CMI HRSGs and 1x250MW Alstom Steam Turbine (DKYZZ3-2N41C)
Job title	:	Mechanical Maintenance Engineer
Job Description	:	<ul style="list-style-type: none"> • Performing the commissioning and start-up of Siemens Gas Turbines (SGT5-4000F). • Performing the commissioning and tuning after every inspection of the gas turbine. • Performing the Commissioning of the New Generator for CTG. • Performing the Commissioning of ALSTOM Steam Turbine. • Performing the Commissioning, Acid Cleaning, Steam Blow and Bypass Operation of 2 CMI HRSGs. • Performing the Minor Inspection in Siemens Gas Turbines (SGT5-4000F). • Performing the Hot Gas Pass Inspection in Siemens Gas Turbines (SGT5-4000F). • Performing the Major Overhaul Inspection in Siemens Gas Turbines (SGT5-4000F). • Check the Availability of the Spare Parts before every Inspection and prepare it during the Inspection. • Doing and Supervision Periodic Maintenance for All Mechanical Equipment (compressor, pumps, air blowers, valves). • Supervision the Spare Parts in the Store and making Orders if it Decrease. • Organizing the Team for the Work. • Performing the Inspection of the Generators Rotor and turbine rotor and turbine stator. • Performing the Inspection of the Bearings(check - N.D.T. – Seals).

- Performing Alignment (Turbine / Generator) Rotor.
- Performing turbine Rotor Run Out Test.

Dates : From Dec. 2010 till Sep. 2011
Employer : MDEPC
Project : New Talkha Combined Cycle Power Station (750MW)
Job title : Shift Charge Operation Engineer

Dates : From Jan. 2008 till Dec. 2010
Employer : MDEPC
Project : New Talkha Combined Cycle Power Station (750MW)
Job title : Shift Operation Engineer
Job Description :

- The DCS Monitoring & Operation of Gas Turbines, HRSGS and Steam Turbines.
- Operation of 2x250MW Siemens (SGT5-4000F) -TELEPERM Xp Control System and Associated Auxiliary through DCS.
- Performing the Units START-UPS and SHUTDOWNS per Assigned Targets.
- Switch Gear Operations with the National Dispatch Center to connect and disconnect the 220KV Unified Grid Functions.
- The Supervision of the 220KV Grid Functions inside the Plant: transformers, Isolators, Circuit Breakers of 220KV.
- Making a Daily Report about all Operation Conditions & Trouble Shootings during the shift.
- Diagnose and resolve Day-To-Day Operational Problems.
- Raising Defects for Equipment & doing Isolation and Desolation Procedures according to the Work Permit.
- As a Trainee in Talkha for teaching courses to recent Engineers and Technicians such as: Composition of Gas & Steam Turbines, Start-up & Shut Down of Gas & Steam Turbines, Electrical, Mechanical Auxiliaries, The Single Line Diagrams, How to follow the Engineering Diagrams, Find Out & Overcome the Trouble Shootings.
- The Supervision of Chemical Shift Operations (Water Treatments, Demineralized, Water, Filtered Water, Potable Water Processes, Chemical Injections...).
- The Supervision and Monitoring of Gas Distribution Operations during the shift.

Dates : From Feb. 2007 till Jan. 2008
Employer : Toyota Alnasr for Trading and Distribution (for Toyota and Daihatsu cars)
Job title : Workshop & Service Advisor Engineer

Dates : From Sep. 2006 till Feb. 2007
Employer : Toyota Egypt at Abbasia & Abou-Rawash Center
Job title : Service Advisor Engineer

Dates : From Aug. 2005 till Aug. 2006
Employer : Tanta Flax & Oil Co.

Job title : Mechanical Maintenance & Production Engineer