

**102484-MEC-1MS-E-2003**  
**Lead HRSG Commissioning TCS**

Holds a B. Sc. in Mechanical Power Engineering and has over 16 years experience working in maintenance, commissioning and start-up.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 25/07/1981  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Tanta University, 2003

## LANGUAGES

Arabic : Native Language  
English : Fluent

## COMPUTER SKILLS

: Windows, MS Office, Internet

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Oct. 2020 till now  
**Employer** : SIEMENS ENERGY  
**Project** : Jazan IGCC Power Plant 3750MW (ARAMCO) - 10 GT (SGT6-5000F - 250MW) + 10 HRSG (NEM) + 5 STG (SST6-5000F - 250MW)  
**Job title** : LEAD HRSG COMMISSIONING TCS  
**Job Description** : Follow up the completion of the construction activities; manage the pre-commissioning, start-up and commissioning "Chemical Cleaning, Protection test, first heat and steam blowing activity.

**Dates** : From Dec. 2019 till Jun. 2020  
**Employer** : SIEMENS AG  
**Project** : Jabel Ali M-Extension "JAMEX" CCPP 700MW (DEWA) - 2 GT (SGT5-4000F -263.4MW) + 2 HRSG (NEM) + 1 STG (SST5-4000 - 173.2MW)  
**Job title** : LEAD MECHANICAL COMMISSIONING ENGINEER  
**Job Description** : Continue to commission HVAC – Chiller Plant, co-coordinate an HRSG Outage, partial recommissioning of HRSG and re-startup of plant after

outage.

**Dates** : From Feb. 2019 till Nov. 2019  
**Employer** : GE POWER  
**Project** : Combined Cycle Power Sabiya CCGT-1 750MW - 2 GT (SGT5-4000F - 250MW) + 2 HRSG (ALSTOM) + 1 STG (GE - 250MW)  
**Job title** : LEAD HRSG COMMISSIONING ENGINEER - TFA  
**Job Description** : Follow up the completion of the construction activities; manage the pre-commissioning, start-up and commissioning “Chemical Cleaning, Protection Test, first heat and Steam Blowing activates”.

**Dates** : From Feb. 2018 till Jan. 2019  
**Employer** : SIEMENS - HTT  
**Project** : Combined Cycle Power Plant New Capital four Blocks 4800MW - 8 GT (SGT-8000H - 400MW) + 8 HRSG (NEM) + 4 STG (SST-5000 - 400MW) + 4 ACCs Air Cooled Condenser  
**Job title** : LEAD HRSG COMMISSIONING ENGINEER - TFA  
**Job Description** : Follow up the completion of the construction activities; manage the pre-commissioning, start-up and commissioning “Chemical Cleaning, Protection Test, first heat and Steam Blowing activates”.

**Dates** : From Aug. 2015 till Jan. 2018  
**Employer** : ARABIAN BEMCO CONTRACTING CO. LTD.  
**Project** : Combined Cycle Power Plant PP10 five Blocks 4600MW (40 GTs (GE-7EA-65MW) + 40 HRSGs (NEM) + 10 STGs (GE-SC4-128MW) + 10 ACCs Air Cooled Condenser (RCDC)), KSA  
**Job title** : Zone Commissioning Manager  
**Job Description** : Follow up the completion of the construction activities; manage the pre-commissioning, start-up, commissioning and synchronization of the STG Units in the Power Blocks till the Handing over the units to the client.

**Dates** : From Apr. 2013 till Aug. 2015  
**Employer** : ARABIAN BEMCO CONTRACTING CO. LTD.  
**Project** : Combined Cycle Power Plant PP10 five Blocks 4600MW (40 GTs (GE-7EA-65MW) + 40 HRSGs (NEM) + 10 STGs (GE-SC4-128MW) + 10 ACCs Air Cooled Condenser (RCDC)), KSA  
**Job title** : Lead Mechanical Commissioning Engineer  
**Job Description** : Follow up the completion of the construction activities; Manage the pre-commissioning, start-up and commissioning activates till the Handing over the systems to operation.

**Dates** : From Aug. 2011 till Mar. 2013  
**Employer** : AVIC INTERNATIONAL SHENZHEN COMPANY LTD.  
**Project** : ABU QIR THERMAL POWER PLANT UNITS 6 & 7 (2x650MW) GAS/OIL FIRED UNITS; 2 STG (MITSUBISHI - TC4F - 650MW) + 2 HRSGS (ANSALDO)  
**Job title** : Lead Mechanical Commissioning Engineer  
**Job Description** : Follow up the completion of the construction activities; Manage the pre-commissioning, start-up and commissioning activates till the Handing

over the systems to operation.

**Dates** : From Oct. 2009 till Jul. 2011  
**Employer** : Initec Energia Company  
**Project** : Nubaria Power Station III (750MW)  
**Job title** : Mechanical Commissioning Engineer  
**Job Description** : Follow up the completion of the construction activities; Manage the pre-commissioning, start-up and commissioning activities till the Handing over the systems to operation.

**Dates** : From Aug. 2007 till Oct. 2009  
**Employer** : Weatherford Drilling International Company  
**Project** : RIG 143, WORK OVER – North Sinai  
**Job title** : Mechanical Maintenance Engineer  
**Job Description** : Maintain A.C engines; also maintain mud pump, Centrifugal pumps, Triplex pumps and Air compressors and service for there.

**Dates** : From Sep. 2005 till Jan. 2007  
**Employer** : Military Army Workshops  
**Project** : TURBO ENGINE WORKSHOPS, Suez  
**Job title** : Mechanical Maintenance Engineer  
**Job Description** : Maintain Vehicle engine i.e. Turbo engine, Diesel engine and Gasoline engine and to raise their efficiency.

**Field of experience** :

- Summary:
  - Mechanical Engineer with over 16 years of experience, worked in Power Generation Projects and participated so far in the generation of over than 10000MW in Simple, Combined Cycle and Thermal Power Plants EPC Projects in the field of commissioning.
- Skills:
  - Process facility commissioning, operations, troubleshooting and maintenance.
  - Develop Plant Systemization and Commissioning plans.
  - Development of pre-commissioning method statements and commissioning procedures.
  - Commissioning and testing of large capacity Gas Turbine, Utility steam generators, HRSG, Steam turbines, large high pressure pumps, pipelines and vessels.
  - Pre-commissioning and commissioning of condensate recovery systems, Feed water systems, gas treatment units.
  - Perform and manage chemical cleaning, flushing and blowing piping systems.
  - Manage interfaces between commissioning and all other disciplines.
  - Mechanical Equipment's specifications (Steam turbines, Gas turbines, Pipeline, Pressure Vessels, Boilers, Heat exchanger, Pumps, Compressors).
  - Management and delivery of pressure / pneumatic test, hydro test, vacuum test and post weld heat treatment.

- Manage and deliver chemical cleaning, flushing, blowing and leak testing.
- Main Achievements:
  - Ensured HSE awareness on the job to ensure full buy-in of the HSE policies by all staff which helped achieving the set HSE targets.
  - Manage pre-commissioning and commissioning activities for large size projects with pipe lines, CCPP, Thermal PP, etc.... Ensured through pre-commissioning tests were conducted and witnessed against the design which resulted in a 1st time right results without delays to project.
  - Monitor commissioning performance, train client staff as required and ensure safe work practices at site.
  - Developed systemization and package completions according to client standard procedures and completion system.
  - Manage system cleaning packs such as chemical cleaning, flushing and blowing for Pipelines.
  - Managing construction and commissioning activities for static equipment (Tanks, Vessels, Pipelines, etc...) as well as large size rotating equipment such as Steam turbines, Gas turbines, Pumps and Compressors.
  - Manage vendor representative pre-commissioning activities.
  - Ensure all pre-commissioning and commissioning documentation are maintained and procedures complied with during execution.
  - Develop individual tasks and durations for pre-commissioning and commissioning activities to meet overall project plan.
  - Manage interfaces with construction disciplines, vendors, QC and client to ensure task completion on time in line with.
  - Managed the planning and resourcing required to execute completion and conducted daily follow-up meetings with all parties involved to track progress and introduce recovery measures when needed.
  - Managed QC during procurement cycle and site activities though enforcing ITP and client specification compliance.
  - Preparing Organizational chart to the CMMS SAP, Functional location (FL), Preventive Maintenance (PM) and Bill of material (BOM) for mechanical Systems.
  - Organize and execute training sessions for PP10 CC Project between SEC and Vendors.
  - Organize and coordinate weekly plan and load profiles for PP10CC Project.
  - Boiler detailed erection completion inspection.