

105181-MEC-14CGKMS-E-1987

EPC – Senior Commissioning Manager

Holds B. Sc. in Mechanical Engineering and Master Degree in Thermal Power Plants. Has over 28 years hands-on experience in fossil power generating stations, oil & gas from construction, pre-commissioning, commissioning and testing through start-up and operation. Expertise in mechanical engineering, electrical and I&C, turnover packages and performance testing. Sound experience in managing Site construction's staff, start-up, commissioning and operation staffs. Good experience in managing overall maintenance of the steam & gas plants, boilers and auxiliaries. Good experience in managing the meetings with various parties. Certified as QMS Lead Auditor from IRCA.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 27/03/1964
Gender : Male
Residence : Currently Abu Dhabi

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 1987
: Master Degree in Thermal Power Plants, Alexandria University, 1993

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Lead Auditor certificate ISO 9001 2000, BSI (IRCA) Dubai (2007).
: Awareness of ISO 14001 & OHSAS 18001.
: Bechtel Training Course in maintenance and operation of Power Plants.
: Alstom turbine training course.
: Power Plant performance analysis course.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2016 till now
Employer : Kharafi National (GASCO), Abu Dhabi
Job title : EPC – Senior Commissioning Manager

Dates : From Dec. 2014 till now
Employer : Kharafi National - Kuwait
Project : Kuwait Oil Company (KOC) & Ministry of Electricity and Water (MEW)
Job title : EPC – Senior Commissioning Manager

Dates : From Mar. 2011 till Dec. 2014
Employer : Kharafi National
Job Description :

- From Jan. 2012 till Dec. 2014: Site Manager at West Damietta Power Plant (fast track project):
 - Project consists of 4x4 125MW GE- F9e turbine + Yokogawa DCS + HPGRS (High Pressure Gas Reducing Station) and Solar Oil System + Alfa Laval Oil Purification System.
 - Manage of construction and commissioning activities, including onsite inspections and meetings with the EPC Contractor.
 - Manage all start-up testing.
 - Manage the implementation of the contract obligations.
 - Keep an updated archive of project documentations, Produce regular reports and records for future claims.
 - Monitor the staff activities and report on progress.
 - Take responsibility for Health, Safety & Environmental measures and Liaise with the project owners' site team.
- From Mar. 2011 till Dec. 2011: Site & Commissioning Manager at Damietta Power Plant (fast track project):
 - Project consists of 4x4 125MW GE- F9e turbine + Yokogawa DCS + HPGRS (High Pressure Gas Reducing Station) and Solar Oil System + Alfa Laval Oil Purification System.
 - Manage commissioning and construction activities, including onsite inspections and meetings with the EPC Contractor.
 - Manage all the start-up testing.
 - Manage the implementation of the contract obligations.
 - Keep an updated archive of project documentations, Produce regular reports and records for future claims.
 - Monitor the staff activities and report on progress.
 - Manage and responsible for ensuring that preventative maintenance and repairs are performed in a timely manner.
 - Take responsibility for Health, Safety & Environmental measures and Liaise with the project owners' site team
 - Lead the meetings with the client and subcontractors.

Dates : From Sep. 2010 till Mar. 2011
Employer : SMEC
(is an Australian professional services firm with a global footprint that provides high-quality consultancy services for infrastructure projects)
Project : Haripur Combined Cycle Power Plant in Bangladesh
Project consists of Electrical Power 360MW 1 MHI gas turbine with H2 cooled generator, 1 HHI triple pressure, natural circulated, HRSG and 1 Fuji triple pressure reheat condensing Steam Turbine.
Job title : Steam Turbine & Auxiliaries Senior Review Design Engineer
(home based job)

Job Description :

- Review Design & Detailing of various steam turbine components like casings, bearing pedestals and bearings, rotors, blades, diaphragms, couplings etc.
- Define material specifications for various steam turbine components.
- Carry out necessary calculations and analysis related to these components (using company software, spreadsheets or hand calculations).
- Rendering technical consultation, assessments and technical judgments and disposition of NCRs.

Dates : From Jun. 2009 till Sep. 2010

Employer : Enelpower / Ansaldo Consortium

Project : Yanbu Power Plant - Saudi Arabia

Job title : Site & Commissioning Manager

Job Description :

- Plan, manage and coordinate the multi-discipline implementation work in accordance with the project scope, schedule and procedures.
- Ensure quality through development and implementation of quality plans.
- Establish and implement the construction, commissioning and start-up procedures for the Steam Turbine. Full responsibility of Managing & implementing project according to the contract specifications and undertakes the completion of works on time & within budgets.
- Facilitates and secure sign-off and acceptance of completed work-scopes (including punch lists) in a timely manner.
- Assure necessary commissioning resources are identified and provided (Domestic, Vendor etc).
- Liaise with Design, Construction and Operations Teams to provide commissioning input.
- Liaise with specialist vendors to ensure timely mobilization, clarity of scope and safety requirements/expectations.
- Lead the meetings with the client and subcontractors.

Dates : From Nov. 2008 till Jun. 2009

Employer : Enelpower / Ansaldo Consortium

Project : Yanbu Power Plant - Saudi Arabia

Project consists of 1x140MW Ansaldo turbine + Ansaldo drum type boiler and ABB DCS. FGD (flue gas desulfurization system); ESP (electrostatic precipitator system) and ash handling system + HPGRS (High Pressure Gas Reducing Station) and Crude Oil System + Oil purification System.

Job title : Commissioning Manager

Job Description :

- Plan, manage and coordinate the multi-discipline implementation work in accordance with the project scope, schedule and procedures.
- Ensure quality through development and implementation of quality plans.
- Establish and implement the construction, commissioning and start-up procedures for the Steam Turbine. Full responsibility of Managing & implementing project according to the contract specifications and undertakes the completion of works on time & within budgets.
- Facilitates and secure sign-off and acceptance of completed work-scopes (including punch lists) in a timely manner.
- Assure necessary commissioning resources are identified and provided (Domestic, Vendor etc).

- Liaise with Design, Construction and Operations Teams to provide commissioning input.
- Liaise with specialist vendors to ensure timely mobilization, clarity of scope and safety requirements/expectations.
- Lead the meetings with the client and subcontractors.

Dates : From Dec. 2006 till Nov. 2008

Employer : Globeleq (American Company)

Project : Sidi Krir Power Plant
Project involved Natural gas/HFO fired Babcock drum type boiler & 2x340MW Alstom STG and ABB DCS + High Pressure Gas Reducing Station and Heavy Fuel Oil System, High & Low pressure Heat Exchangers.

Job title : Senior Maintenance & Commissioning Engineer / Acting Quality Manager

Job Description :

- Plan and follow up the maintenances, modifications and annual outage.
- Follow up the outage activity, which including welding inspections, repairs and follow up NDTs / boilers, turbines and auxiliaries inspections.
- Commission and start-up the new projects and/or modifications systems in the plant.
- Prepare the operation, commissioning and maintenances procedures.
- Responsible for the Implementation and maintaining the quality management System ISO 9001 2000.
- Prepare daily performance summaries to monitor plant by studying reports, log sheets and other daily operating activity reports, and highlights abnormalities and suggests correction and corrective actions to supervisor.

Dates : From Jun. 2005 till Dec. 2006

Employer : Alstom Power (France)

Project : Shoaiba Power Station - Jeddah Stage 2 (6 Units), KSA
Project consists of 6x400MW Alstom STG & Crude /HFO fired CE drum type Boiler draft equipment: 2 x 50%ID /FD /GR fans, air heater, ESP, Ash handling plant. HP/LP Bypass, sea water cooled Condenser, 7 Stage regenerator feed water heaters, Main Circulating water system, Closed cooling water system, Water supply system, Waste water system, MSFE (Multi Stage Flashing Evaporative) Desalination unit, Demineralization plant, Chlorination plant, Sampling system, Dosing system, Compressed air system, ABB control system ADVANT Power. Emergency & Black start diesel Generators, + HPGRS High Pressure Gas Reducing Station and Heavy Fuel Oil System, High & Low pressure Heat Exchangers, Auxiliary boiler, and Hydrogen production system.

Job title : Senior Commissioning & Operation & Maintenance Engineer

Job Description :

- Review and approve site Inspections and test plans and procedures, to follow-up and supervise the mechanical erection, pre-commissioning and commissioning work (quality, quantity, progress) for the steam turbine.
- Supervision of commissioning and maintenance activities, including onsite inspections and meetings with the EPC Contractor.
- Monitor and coordinate proceedings for system flushes, steam blows and pneumatic and hydrostatic testing.
- Supervise the operational testing, commissioning and startup of the

- steam turbine.
- Issuing and implementing of operations & maintenance and commissioning procedures.

Dates : From Jan. 2004 till Jun. 2005
Employer : PGESCO & Bechtel
Project : Nubaria Combined Cycle Power Plant
 Project consist of two stages:
 Stage 1 - is 4x250MW – Siemens gas turbines V94.3A + 2x250 Mitsubishi steam turbines ST-1/2, Alstom HRSGs and ALSTOM DCS + HPGRS (High Pressure Gas Reducing Station) and Solar Oil Syaytem.
 Stage 2 - is 2x250MW GT-1 9001FA GE + 1x250 steam turbine Alstom ST-1 HF and STF HRSGs.

Job title : Lead Mechanical Construction & Commissioning Engineer
Job Description :

- Ensure that project deadlines are achieved for all Engineering aspects of the contract.
- Perform and monitor progress of engineering tasks against agreed schedules.
- Assist the Bid Engineers with validation of proposals and future designs.
- Represent the Company at meetings with Customers and suppliers.
- Review the procedures and help the contractors to support the Project.
- Co-ordinate between all contractors.
- Supervise the operational and function tests.
- Supervise the performance test and reliability run test.

Dates : From Jun. 2001 till Nov. 2003
Employer : MEW Bahrain – Ministry of Electricity and Water
Project : Hid Power Station, Bahrain
 Project include:
 Stage 1: 2x140MW gas turbine (Siemens), 2 HRSG (Alstom) & 4 x 7.5 MGPD Desalination Units Italianpianty & Fisia.
 Stage 2: 2x250MW gas turbine (ABB) 1x250MW steam turbine (MITSUBISHI), 2x126 Kg/s Alstom HRSG (High Pressure Gas Reducing Station), knockout system + Gas heating bath heaters and ABB DCS.

Job title : Senior Commissioning / Operation Engineer
Job Description :

- Supervise the pre-commissioning, commissioning and testing activities during the period of construction.
- Co-ordinate between all contractors.
- Follow up the performance and reliability run tests.
- Follow up and clarify the punch list items.
- Supervise the shift operators and manage the shift duties.
- Perform isolation and safety tag out of equipment and Issue all types of work permits high voltage isolations.
- Train operators in the proper care of equipment.
- Assisted in the development review and implementation of operations procedures.

Dates : From Jan. 1999 till Jun. 2000
Employer : PGESCO (Power Generation Engineering and Services Company)

Project : Sidi Krir Power Station
Project consist of 2x320MW – Siemens STG, Babcock Boiler.

Job title : Commissioning, Start-up & Operation Engineer

Job Description : Commissioning and start-up of balance of plant, Make up and supply system, Condensate water system, Feed water system, Closed cycle cooling water system, Circulating water system, Service water system, Heaters vents and drains system, Turbine extraction steam system, Hydrogen plant system, Compressed air system, Demi-water plant, High pressure gas reducing station, Crude oil purification system, Crude oil unloading and storage system, Establish, manage, settle and follow-up the punch list, to issue recommendations about acceptance of the works, to liaise with plant's operation and maintenances.

Dates : From Mar. 1997 till Nov. 1998

Employer : WED (Water and Electricity Department), Abu Dhabi

Project : El Taweelah-B Power Station, Abu Dhabi
6x122MW ABB STG Forced Circulation, Crude / Gas Fired, ABB design boiler, ABB Kraftwork Turbine / Generator & DCS, Hartman Brawon (Sae Sadelmi) B.O.P., Aquatech Water Treatment System. 6 x 12 MGPD (MSFE) Desalination Plants Italianpianti & Fisia and west falia Oil Purification System + HPGRS High Pressure Gas Reducing Station.

Job title : Shift Supervisor Engineer

Job Description : Supervise the shift operators and manage the shift duties, Perform isolation and safety tag out of equipment and Issue all types of work permits including high voltage isolations, Train operators in the proper care of equipment, Report to the operation manager and attend meetings.

Dates : From Nov. 1995 till Feb. 1997

Employer : ABB SAE SADELMI – Abu Dhabi

Project : 6x122MW STG El Taweelah-B Power Station, Abu Dhabi
Project includes 6x122MW Forced Circulation, Crude / Gas Fired, ABB design boiler, ABB Kraftwork Turbine / Generator & DCS, Hartman Brawon (Sae Sadelmi) B.O.P., Aquatech Water Treatment System. 6 x 12 MGPD Desalination Plants Italianpianti & Fisia and west falia Oil Purification System + HPGRS High Pressure Gas Reducing Station.

Job title : Commissioning & Start-up Engineer

Job Description :

- Prepare and perform the system flushes, steam blows and hydrostatic and pneumatic testing, Coordinate the activities for pre-commissioning, commissioning and start-up of the plant, Walk down the systems during the turn over from constructions to commissioning staff and prepare the punch lists.
- Establish, manage, settle and follow-up the punch list, to issue recommendations about acceptance of the works, to liaise with plant's operation and maintenance.

Dates : From Aug. 1995 till Nov. 1995

Employer : Nouva Cimimountobi (Italian)

Project : El-Arish Power Station
2x30MW STG; Natural Circulation, HFO Fire Boiler, GE T/G Fuggi one cylinder turbine, HP/LP Bypass System, Westinghouse WDPF (DCS) and Emit Water Treatment System; 2 Desalination plants, 0.5 MGD MSFE.

Job title : Commissioning, Maintenance & Operation Engineer

Job Description : Commissioning and start-up of balance of plant, Make up and supply system, Condensate water system, Feed water system, Closed cycle cooling water system, Circulating water system, Service water system, Heaters vents and drains system, Turbine extraction steam system, Sump pumps system, Hydrogen plant system, Compressed air system, Re-boiler system, Demi-water plant, Desalination plant system, Establish, manage, settle and follow-up the punch list, to issue recommendations about acceptance of the works, to liaise with plant's operation and maintenance.

Dates : From Jan. 1995 till Aug. 1995

Employer : Nouva Cimimountobi (Italian)

Project : Mahmoudia Power Station
2x150MW Combined Cycle Power Plant, 8x25MW frame 5 Marke 2 GE gas turbines and 2x50 STG MW GE steam turbines, Nem HRSG and Bailey DCS.

Job title : Commissioning & Operation Engineer

Job Description : Commissioning and start-up of balance of plant, Make up and supply system, Condensate water system, Feed water system, Closed cycle cooling water system, Circulating water system, Service water system, Turbine extraction steam system, Sump pumps system, Compressed air system, Demi water plant.

Dates : From Sep. 1993 till Jan. 1995

Employer : ABB SAE SADELMI (Italian)

Project : Cairo West Power Plant
Project includes 2x325MW Siemens STG & Rear Natural gas / HFO Fired Boiler, ABB DCS, HP/LP Bypass System.

Job title : Commissioning & Operation Engineer

Job Description : Commissioning and start-up of main turbine and generator (SIEMENS) and its auxiliaries of unit 5 & 6, Commissioning and start-up balance of plant, Make up and supply system, Condensate water system, Feed water system, Closed cycle cooling water system, Circulating water system, Service water system, Heaters vents and drains system, Turbine extraction steam system, Auxiliary steam system, High and low pressure gas reducing stations.

Dates : From Apr. 1990 till Sep. 1993

Employer : Egyptian Electricity Authority (EEA)

Project : Damanhour Power Station
Project includes 1x325MW ANSALDO STG & Rear Natural gas / HFO Fired Boiler, HP/LP Bypass System.

Job title : Operation Engineer

Job Description : Commissioning and start-up of the plant, Supervise the shifts operators, ensure implementation of LOTO, Issue the work permits.

Dates : From Apr. 1989 till Apr. 1990
Employer : ANSALDO (Italian)
Project : Damanhour Power Station
Job title : Pre-Commissioning Engineer
Job Description : Pre-Commissioning the following plant utilities, Make up and supply system, Condensate water system, Feed water system, Closed cycle cooling water system, Circulating water system, Heaters vents and drains system, Turbine extraction steam system, Sump pumps system, Compressed air system, Demi water plant.

Field of experience :

- Managing the pre-commissioning & testing and commissioning activities, including onsite inspections and meetings with the EPC Contractors for Power, Oil & Gas and Waste Water.
- Establishing the entire required documentary for commissioning, Procedures, Mechanical Completion Manuals, Checklists, Inspection Forms, Training Manuals and O&M manuals.
- Prepare, establishing and reviewing Contracts, site contractors documentation including constructions and commissioning procedures, schedules and O&M procedures.
- Preparing the Resources plan needed for the project (Materials, Equipment, subcontractors, and project Staff).
- Liaison with Client's and EPC Contractor's construction and commissioning team, and Head office as required.
- Experienced in managing and coordinating between all the construction and commissioning activities.
- Issuance of potential claims that require extension of time/ extra cost.
- Review & approve the Variation/change orders.
- Working towards obtaining the certificate of works completion and handing over.
- Ensuring that all the HSE rules & precautions implemented on site.