

Holds a B. Sc. in Mechanical Power Engineering and two Diplomas in Project Management Professional (PMP). Has about 11 years hands-on experience in power plants construction, commissioning, start-up and operation with awareness of all related mechanical activities as well as in the field of Oil & Gas and Electro-Mechanical projects construction, Cost Control, Planning & Scheduling and Technical Office activities.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/09/1979
Marital Status : Married

EDUCATION

- : B. Sc. in Mechanical Power Engineering, El-Minia University, 2000
- : Diploma in Project Management Professional (PMD), Regional IT Institute (RITI), 2009
- : Advanced Diploma in Project Management Professional (PMP), Cambridge Training College (CTC) approved from UK Training Association, 2009

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

- : Windows, MS Office, Internet
- : MS Project 2007 Professional
- : Primavera

TRAINING COURSES AND CERTIFICATIONS

- : E-learning Courses successfully completed at Bechtel University (2007 - 2009):
 - Project Management & Control Division:
 - "Anatomy of a Project Bid-No Bid" Course PM128.
 - "Anatomy of a Project-The Deal" Course PM136.
 - "Client Relations" Course PM133.
 - "Project Baseline" Course PM132.
 - Risk Management" Course PM134.
 - "Roles and Responsibilities of the Prime Contract Administrator" (PCA) Course CTR213.

- Engineering Division:
 - "Engineering Planning & Controls" Course ENG2009T.
 - "Engineering Planning" Course ENG2009A.
 - "Engineering Services Budget" Course ENG2009B.
 - "Engineering Scheduling" Course ENG2009C.
 - "EPPR Overview & Implementation" Course ENG2009D.
 - "Engineering Quantity Estimating" Course ENG2009E.
 - "Engineering Work Process Control" Course ENG2009F.
 - "Pollution Control (Boiler Plants): The Environment" Course SGPF1901.
 - Pollution Control (Boiler Plants): Particulate Removal Equipment" Course SGPF1902.
 - "Engineering Department Procedures 1" Course ENG240.
 - "Engineering Department Procedures 2" Course ENG241.
- Construction & Start-up Division:
 - "Basic Labor Relations" Course CON225.
 - "Construction & Start-up Test" Course ENG2014T.
 - "Testing/Commissioning and Initial Operations Technical Program" Course STCP22800.
 - "Water Flow Balance Testing" Course STCP16301.
- Six Sigma Package:
 - Introducing Six Sigma at Bechtel: Six Sigma for Competitive Advantage" Course SSB123.
 - "Introducing Six Sigma at Bechtel: Six Sigma Components" Course SSB124.
 - "Introducing Six Sigma at Bechtel: Six Sigma Roles and Responsibilities" Course SSB125.
- Plant Design & Piping Division:
 - "Organization Charts & Discipline Responsibilities" Course PDE154.
 - "Work Process Flow Diagrams" Course PDE155.
 - "Interfaces and Deliverables" Course PDE156.
- : On-job training (Mech./Elec.) for El-Kureimat II 750MW Combined Cycle Power plant by SIEMENS in El-Kureimat Training Center (Mar./Apr. 2007).
- : OH&S Induction Training at DEWA Headquarter-Dubai (Nov. 2006).
- : Westinghouse Distributed Processing Family "WDPF" Course for Operating Control System (DCS) for El-Kureimat Steam Power Plant in Simulation Center (Nov./Dec. 2003).
- : Operating Course for El-Kureimat 2x627MW Steam Power Plant in El-Kureimat Electrical & Mechanical Training Center (from Jul. till Oct. 2003).
- : Planning and Scheduling Course with "Primavera" in Hassan M. Allam Sons Company (Apr. 2003).
- : Operating and Maintenance of various production lines in Delta Industrial Company (IDEAL) – Almaza Factory (Aug. 1999).
- : Operating and Follow up of Mechanical Systems in New-Minia Water Plant (Jul. 1999).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2007 till now
- Employer** : Power Generation Engineering and Services Company (PGESCO)
- Project** : EI-Kureimat II (750MW) Combined Cycle Power Plant:
- Phase 1: Combined cycle consisting of 2x250MW Natural Gas/Light Oil Fired Gas Turbines (Siemens SGT 5-4000 F (V94.3A2)), 2 HRSG (CMI/Skoda) and 1x250MW Steam Turbine (Hitachi) with all associated auxiliaries and Water Treatment Plant.
 - Phase 2: Combined cycle consisting of 2x250MW Natural Gas/Light Oil Fired Gas Turbines (G.E MS9001 FA), 2 HRSG (CMI/Initec), 1x250MW Steam Turbine (ALSTOM) with all associated auxiliaries.
- Job title** : Senior Commissioning, Start-up & Operation Advisor Engineer
- Job Description** :
- Supervise the contractors during the plant equipment erection and assuring their commitment with the specifications.
 - Commissioning and start-up of the power plant equipment such as Gas Turbines and associated auxiliaries, HRSG's and Steam Turbines including all relevant activities such as Final walk Down, Flushing, Hydro Test, HRSG Acid Cleaning and Steam Blow.
 - Review and comment all the commissioning, start-up & operation procedures and systems P&ID's and co-ordination with Engineering Department if needed, prepare and distribute start-up progress reports.
 - Establish Performance and Acceptance Test Procedures.
 - Follow up of the plant equipment and systems during Performance and Reliability Tests.
 - Preparation of punch lists and assuring the plant systems and components match the specifications and the contract.
 - Monitor and report any defect / deficiency in the plant equipment or systems or any deviation from the contractually specified scope.
 - Prepare weekly, quarterly and annual report of all activities in the plant.
 - Provide initial Operation Management and advisory services to assist operation staff.
 - Assist client relationships and is a focal point for communication with the client at the site.
- Dates** : From Sep. 2005 till Feb. 2007
- Employer** : Dubai Electricity & Water Authority (DEWA)
- Project** : Jebel Ali E-Station Power Plant – Dubai (U.A.E.)
Consisting of 5 Gas Turbines, 2 Steam Turbines & 4 Desalination Plants.
- Phase 1: Combined cycle consisting of 3x100MW Gas Turbines (G.E), 3 Waste Heat Boilers (KHIC), 4 Desalination Plants (28 MIGD), 2 Auxiliary Boilers and 1x58MW BPST.
 - Phase 2: Combined cycle consisting of 2x110MW Gas Turbines (GE), 2 HRSG (Italian Combustion Engineering), 1x112MW Steam Turbine.
- Job title** : Senior Control Room Operator

- Job Description** :
 - Operating and follow up of various systems of plant from the Control Room during normal operation, start-up, scheduled shut down and emergency shut down including main components such as Gas Turbines, Waste Heat Boilers, Heat Recovery Boilers, Turbine-Generators and Transformers & also operating and follow up of auxiliary systems of the plant.
 - Observation and dealing with any unexpected or abnormal conditions in the plant and maintaining safe and efficient conditions for personnel and equipment by execution and follow up of work safety procedures.
 - Adjustment and applying Safety Work Permits through MAXIMO System for equipment to be checked by maintenance groups.
 - Performing daily, weekly tests and change over for various systems equipment.
 - Management of work between field operators and making periodic reports about their performance.
 - Training for Junior Engineers and Graduates.
- Dates** : From Apr. 2004 till Aug. 2005
- Employer** : Egyptian Operating and Maintenance Power Company (EOMPC)
- Project** : El-Kureimat I (2x627MW) Steam Power Plant:
Thermal Power Plant consisting of 2x2063 Ton/Hr MCR Natural Gas/Heavy Oil Fired Steam Generators (Babcock & Wilcox) and 2x627MW Steam Turbines (GE).
- Job title** : Senior Control Room Operator
- Job Description** :
 - Operating and follow up of various systems of plant from the control room during normal operation, cold start-up, hot start-up, scheduled shut down and emergency shut down including main components such as Boilers, Condensers, Turbine-Generators and Transformers & also operating and follow up of auxiliary systems such as Combustion Air, Fuel Gas, Fuel Oil, Air Preheating, Flue Gases Recirculation, Condensate and Feed water Supply, Circulating water, Compressed Air, Open Cooling, Closed Cooling, Air Handling Units and Chillers, Plant Gases, Lubrication Oil, Hydraulic Oil, Seal Oil, Steam Seal, Various equipment Power Supplies (6.3KV, 380V, 220V and 110V) and all services systems according to operating procedures and instructions.
 - Observation and dealing with any unexpected or abnormal conditions in the plant and maintaining safe and efficient conditions for personnel and equipment by execution and follow up of work safety procedures.
 - Adjustment and applying Safety Work Permits through EMPAC System including isolating of different components of equipment to be checked by maintenance groups.
 - Dealing with different subcomponents of various systems and equipment such as circuit breakers, filters, actuators, accumulators, solenoid valves, control valves, dampers, flame detectors and scanners, fuel oil heat tracing, power distribution panels, battery chargers and UPS.
 - Operating and follow up of Hydrogen Production Plant and all its components such as electrical analyzers, KOH system, hydrogen compressors, vacuum pump, storage cylinders, mist eliminator, filters, and dryers.

- Applying periodic test including start-up, operation and shut down for Auxiliary Boiler and Emergency Diesel Generators used in black out and absence of fuel gas.
- Dealing with different fire fighting systems and performing periodic tests for checking availability and reliability of all their components in case of fires (automatic wet pipe system, spray water system, pre-action system, foam system, FM-200 gas system, alarm local panels and portable fire extinguishers).
- Performing daily, weekly tests and change over for various systems equipment.
- Management of work of local operators & making periodic reports about their performance.

Dates : From Jul. 2003 till Mar. 2004
Employer : Upper Egypt Electricity Production Company (UEEPC)
Project : EI-Kureimat 2x627MW Steam Power Plant
Job title : Operation Shift Charge Engineer
Job Description :

- Dealing with National Electricity Control Center (NECC) to keep stability of plant and power grid.
- Monitoring and reporting equipment and systems conditions during normal operation and abnormal cases.
- Performing daily technical reports for plant efficiency and availability.

Dates : From Feb. 2003 till Jul. 2003
Employer : Misr Sons Development S.A.E. (Hassan M. Allam Sons Co.)
Project : Electro-Mechanical Erection Department Head Office – Cairo
Job title : Planning & Scheduling / Technical Office Engineer
Job Description :

- Estimation of pricing for under bidding electro-mechanical projects including material supplies and execution work cost breakdown.
- Technical offers, materials submittals and commercial evaluations preparation.
- Quantity surveying & general pricing studies preparation for piping, static equipment, rotary equipment, insulation and painting, steel structure and any special equipment erection studies including complete pricing breakdown and cost of supervision and site facilities.
- Follow up of technical & financial reports for under execution projects to assure cost to be within project curves limits.
- Planning & scheduling for under bidding and running projects.

Dates : From Jun. 2001 till Jan. 2003
Employer : Misr Sons Development S.A.E. (Hassan M. Allam Sons Co.)
Project : Alexandria Specialty Petroleum Products Company (ASPPC)
Job title : Mechanical / Piping Engineer
Job Description :

- Installation of various static equipment such as tanks, vessels, heat exchangers and weighbridges.
- Installation of various rotary equipment such as centrifugal pumps, positive displacement pumps and vertical pumps including final alignment.

- Installation of miscellaneous equipment such as mixers, agitators and special equipment packages.
- Execution of piping erection work including workshop fabrication, field installation and routing (C.St, St.St, G.St, PVC, PP, PE, GRP and Victaulic piping) with complete familiarity with ASME, API, ASTM codes, standards and practices and full conversant with P&IDs and isometric drawings.
- Fabrication and Installation of special and standard pipe supports according to specified data sheets.
- Execution of Hot/Cold insulation work for piping and fittings.
- Execution of painting work for piping, tanks and other equipment.
- Manage the receiving, storage and release of materials and equipment.
- Performing preliminary and final tests for all systems including flushing, hydrostatic tests and pneumatic tests.
- Commissioning and start-up for all plant mechanical systems.

Dates : From Jan. 2001 till May 2001
Employer : Misr Sons Development S.A.E. (Hassan M. Allam Sons Co.)
Project : Banha Maize Milling and Mixing Plant
Job title : Mechanical / Piping Engineer
Job Description :

- Installation of main storage silos, bucket elevators, screw conveyors, chain conveyors, vibrators, grain crushers and miscellaneous equipment.
- Installation of pneumatic (Flowmatic) piping system.
- Installation of Aspiration system equipment and piping network.
- Execution of all piping work including fabrication, erection, painting and insulation.
- Commissioning and start-up for the plant.

Dates : From Nov. 2000 till Dec. 2000
Employer : El-Fath Modern Irrigation & Piping Technology
 (Agent of GEORGE FISCHER +GF+, Industrial Piping Systems (Switzerland) & Pipe Jointing Technology (Germany))
Project : Sharm El-Sheikh Seawater Desalination Plant
Job title : Piping Engineer
Job Description :

- Fabrication and installation of two polyethylene main suction lines (24 inch DN, 1650 mt. each) using the updated techniques and welding technology of George Fischer.
- Co-ordination with main contractor (Industrial & Engineering Projects Co.) and consultant to solve any unexpected executive problems.

Field of experience : Mechanical Engineer with about 11 years practical experience in the fields of:

- Power Plants construction, commissioning, start-up and operation with awareness of all related mechanical activities.
- Oil & Gas and Electro-Mechanical projects construction, Cost Control, Planning & Scheduling and Technical Office activities.