

Holds a B. Sc. in Mechanical Power Engineering and has over 15 years hands-on experience in construction of industrial field power plants and Oil & Gas (on- & off-shore). Has been working as Mechanical Piping, Construction and Planning Engineer in several companies that working in fabrication and erection of pipelines, steel structure and install static and rotating equipment during construction, pre-commissioning and punch list phase.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 29/01/1981
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Complete 36 hours attendance International Project Management Association (IPMA).
- : Complete a Project Management System using Microsoft Project (MS Project).
- : Complete 36 hours attendance Project Management Professional (PMP).
- : 56 hours Study International Computer Driving License (ICDL) at IBI (Instructive British Institute) (from Sep. till Nov. 2011).
- : Complete a Project management system using Primavera version 6 at Cairo University (Jan./Feb. 2012).
- : 48 hours Study English course at IBI (Instructive British Institute) (May/Jun. 2008).
- : 24 hours 2D AutoCAD at Cairo University (Oct./Nov. 2011).
- : Complete Fire Fitting Pipe System design, Hydraulic calculations, FireHose, Pump selection and Gas System (from Dec. 2011 till Jan. 2012).

- : Complete Advanced HVAC design chilled Water system for A.H.U, F.C.U, Pipe Lines, Air Ducts, Chillers, Fans, Pumps and load estimation (Nov./Dec. 2011).
- : 15 hours Study liquid penetrates testing method at Egyptian Welding Academy (Aug./Sep. 2009).
- : Organization "Leader ship skills, how to plan", Culture awareness and Quality Control training by Shell Training Center GTL-Qatar (Aug./Sep. 2010).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2018 till now
Employer : SIEMENS
Project : New Capital Power Plant Combined Cycle 4800MW
 (has 8 Heat Recovery Steam Generator (HRSG), 4 Air Cooling Condenser (ACC), 4 STG, 8 GTG & WTP)
Job title : Piping TFA
Job Description : In charge for HRSG (BEP), GTG, STG, BOP piping.

Dates : From Jan. 2016 till Nov. 2017
Employer : AL TOUKHI Company for Industrial, Trading and Contracting – KSA
Project : Conversion of HAIL-2 Simple Cycle to Combined Cycle POWER PLANT 170MW, has 4 Heat Recovery Steam Generator (HRSG), 1 Air Cooling Condenser (ACC), 1 STG, Pipe Rack & WTP
Job title : Lead Mechanical Engineer
Job Description : In charge for Diverter damper, 4 HRSG, 1 ACC, 1 STG, 1 Pipe Rack, WTP & UG pipes.

Dates : From Mar. 2013 till Jan. 2016
Employer : Bin Laden Electrical and Mechanical Company (BEMCO) – ARABIAN BEMCO Contracting Company Limited, KSA
Job Description :

- POWER PLANT 10 (PP10) 1300MW Combined Cycle for 10 Blocks each block has 4 Heat Recovery Steam Generator (HRSG), 1 Air Cooling Condenser (ACC), 1 STG (from Nov. 2014 till Jan. 2016): Senior Mechanical Engineer >>> In charge of piping for 3 blocks (B15, C19 & C110) 12 HRSG, 1 ACC, 1 STG & 1 Pipe Rack.
- POWER PLANT 12 (PP12) 1500MW Combined Cycle for 2 Blocks each block has 4 GTG, 4 Heat Recovery Steam Generator (HRSG), 1 Air Cooling Condenser (ACC), 1 STG (from Mar. 2014 till Nov. 2014): Senior Mechanical Engineer >>> In charge of 2 units GTG mechanical and on base piping.
- POWER PLANT 10 (PP10) 1300MW Combined Cycle for 10 Blocks each block has 4 Heat Recovery Steam Generator (HRSG), 1 Air Cooling Condenser (ACC), 1 STG (from Mar. 2013 till Mar. 2014): Senior Mechanical Engineer >>> In charge of piping erection and fabrication 2 blocks (A11 & A12) 8 HRSG, 150 Man Power, 40.000 DAI INCH piping large and small bore, 4.000 pipe supports, MTO, BOQ, technical support, coordinator, reporting, man power estimation, insures welding procedures, Test packages preparation, Hydro test, Reinstatement, punch list, man power mobilization and demobilization, insure quality and

safety.

Dates : From Mar. 2012 till Feb. 2013
Employer : Arab Contracting Company Limited (ACC) – KSA
Project : (RKPP) Ras Al-Khair Power and Desalination Plant 2400MW Combined Cycle for 6 modules MW supply SEC + 1350MW to MA'Aden Aluminum Complex) & provided in 2 Packages: Power package (P) & The Desalination package (D) by Doosan (DSC)
Job title : Senior Mechanical Engineer at (PMO) Project Management Office

Dates : From Jan. 2011 till Mar. 2012
Employer : (Kahromika) Misr Company for Mechanical and Electrical Projects – Egypt
Project : Al-Shabab Simple Cycle Gas Turbine Units 8x125MW
Job title : Mechanical Construction Engineer
Job Description :

- In charge of one unit of Gas Turbine.
- Install and pre-alignment and final alignment for GTG and auxiliary units.
- Install steel structure enclosure and walkway for GTG and utilities skids and pumps, make leveling and axis and make pre-alignment and final alignment for them as (gas module skid, water injection module skid, cooling water pump, ...etc.).

Dates : From Apr. 2010 till Jan. 2011
Employer : VSA Consortium (VEOLIA – SAIPEM – AL JABER) – Qatar
Project : Qatar Petroleum-Shell Pearl GTL "Gas to Liquid" Project, Effluent Treatment Plant area C8 - Ras Laffan Industrial City, Qatar
Job title : Site Mechanical Engineer
Job Description :

- Complete erection of piping in Crystallizer Building area and Effluent Recovery Unit area (ERU), metallic pipes.
- Following progress in area and increasing erection productivity to achieve planned time schedule.
- Indicating the priorities of systems to complete erection according to pre-commissioning dates.
- Closing systems by coordinating Test Packages in areas.
- Lead construction group in area to close punch list, and Q.C notifications according to standard codes and Shell standard.
- Making Re-instatement and closing "B" items in punch list after Hydro-test.
- Following consultant punch items during pre-commissioning till make pipe system under commissioning.
- Coordination on site with other contractors.
- Making general walk down on systems and packaging P&ID, ISO drawings, valve list, line list ...etc.
- Manpower mobilization and demobilization within human resources management requirements.
- Achievements:
 - Working within about 20 nationalities & 60,000 man-powers that improve the communication and coordination skills.
 - 12 million man-hours safely work within an IIF environment.
 - Commissioning permit to start work (PTSW) training from Pearl

Leadership Academy.

- Commissioning phase awareness.
- Achievement of four QHSE modules from ILM Institute that represents in Pearl Leadership Academy.
- Recognized and awarded for excellent plan and execution of the project scope within safely environment.

- Dates** : From Aug. 2007 till Apr. 2010
- Employer** : (Kahromika) Misr Company for Mechanical and Electrical Projects – Egypt
- Project** : El-Tebbin Thermal Power Plant 2x350MW (steam turbine)
- Job title** : Mechanical Site Engineer
- Job Description** :
- Construction activity:
 - Fabrication shop activity:
 - Responsible of fabrication shop productivities for unit 1 during fabrication phase "Non-critical pipes" according to ASME Code B31.1 power piping.
 - Following and recording inspection steps during fabrication "fit up inspection, Welding inspection, sand blasting and painting inspection".
 - Make sure arrangement of fab. shop lay down areas and make sure name plates for each spool.
 - Sharing with technical office in making cutting map.
 - Following schedule and indicating priorities in fab. shop according to site require.
 - Insure work according to WPS special for alloy steel "pre-heating and post weld Heat treatment procedure".
 - Made an overall plan for all pipe lines to make planning and scheduling and following progress on it.
 - Worked with many types of piping materials "Carbon St., St. Steel, Alloy steel and Galvanized carbon St. Lines".
 - Make sure safety on fabrication shop.
 - Pump Installation: Leveling, axis, pre-alignment and final alignment for most pumps included in Power Plant as "Feed Water, Closed Cooling Water, Service Water Pumps"...etc.
 - Pre-commissioning activity:
 - Making record for hydro-test activities in unit I and unit II for critical and non-critical systems included in power plant station as main steam, extraction steam, auxiliary steam, Service Water, Closed Cooling Water, Demineralized Water, Fire Protection, Fuel Solar, Fuel Mazout, condensate steam systemsetc.
 - Making the final walk-down on the test packages according to ISO drawings and P&ID before inspection from QC to get the test package release for Test "RFT".
 - Following test packages and preparing loops for hydro-test.
 - Make pneumatic test for gas line and purging with Nitrogen gas, and insure safety precautions during process.
 - Sharing in commissioning of the power plant by making necessary flushing for piping network "closed cooling water system, pipe lines, instrument air system, N2 purging line, service lines, and main intake line".
 - Making necessary re-instatement work after hydro-test and pneumatic test.

- Make the Punish List for Critical and Non-Critical Systems in the Power plant.

Dates : From Sep. 2005 till Jul. 2007
Employer : ADVANSYS – ADES (Advanced Energy System)
Project : Maintenance and upgrade for off-Shore rigs and purges, Red Sea – Egypt
Job title : Site & Planning Engineer