

Holds a B. Sc. in Mechanical Engineering and has about 11 years hands-on experience working in construction, maintenance, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 10/10/1985
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2008

LANGUAGES

Arabic : Native Language
English : Very Good
French : Fair

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2017
: Matlab 7

TRAINING COURSES AND CERTIFICATIONS

- : Maintenance Engineer at Jac & Jelly Cars Service Center during 4 months.
- : Maintenance Engineer at Renault Cars Service Center during 3 months.
- : Training at ABU QIR Training Center at Safety and Occupational Health.
- : Training at Alexandria civil protection department, having good informations on:
 - Fires and it's types.
 - How to identify the types of fire and it's suitable method to fight it.
 - How to deal with industrial fire and electrical fire.
 - How to plan emergency plan for evacuate and keep workers and people health.
 - How to secure fuel tanks and gases area and control rooms from fire.
 - How to secure the boilers and turbines from fire.

- : Fire fighting design course (pipe line diameters – pump selection – sprinkler distribution).
- : Hydraulic system equipments at Faculty of Engineers.
- : Vibration and balance for rotating equipment's.
- : Course at Petrochemical Industries.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2009 till now
- Employer** : West Delta Electricity Production Co.
- Project** : Abu Qir Power Station 900MW
- Job title** : Maintenance Turbine Engineer
- Job Description** :
- Centrifugal pumps (finished a project of install about 4 of centrifugal pumps each 200 gpm and it's pipe line network).
 - Axial pumps (finished of repair about 2 axial pumps each of them giving 11000 m³/hr of flow in sea water station pump house which used for cooling circuits inside turbine house).
 - Multi stage pumps (working on 10 stage pumps which used for feeding the boiler system).
 - 2-stages compressors (finished a project of install 4 compressors each 7 bar working pressure and install pipe line network of water cooled heat exchanger that cooled the compressors and its needed accessories like pressure gage temperature gage and flow-meter and install about 4 centrifugal pumps each of them giving 2 bar working flow pressure).
 - Different kinds of valves (gate – globe – butterfly ...) installation and make commissioning tests for it.
 - Good experience at the rotor of turbine and having skills in taking the clearances (axial and radial) and make it's alignment.
 - Installation of two sea water pumps of capacity 11000 m³/hr made by KSB Company and make commissioning and start-up tests for it.
 - Replacement Installation of three feed water pumps which working under pressure 160 bar and consist of 10 stages, good experience in the following:
 - Install the new pump with new base
 - Modify and connect all the pipe lines for water and lubrication
 - Making the alignment with high accuracy (tolerance about 0.03)
 - Making heat treatment for all welding joint and exam it.
 - Making flushing for the water pipe and oil pipe lines and cooling water pipe
 - Making commissioning and start-up and checkup performance curve for the new pumps.
 - All this done by supervision of KSB Company team.
 - Replacement and installation of three booster pumps by KSB Company and make commissioning and start-up for it.
 - Replacement of Low Pressure heater which consist of 400 U tubes.
 - Overall mechanical maintenance for overhead crane (50/15) ton including cleaning all old oil and grease from wires, motors and gearboxes and supply new one, replace all gearbox bearing, supply new wires, repair carriage motor and maintain breaks and test them, repair lifting motor and maintain it's breaks and test them, repair and maintain

the drum, making load test for the overhead crane.

- Further experiences :**
- Working with AquaTech Company in project of installation and commissioning and start-up of 6 stage 2 unit of multi-effective desalination water plant giving of 5000 m³/day (2 units).
 - Working with Alstom Company (General Electric Company) on:
 - Project 1:
 - Replacement and installation rotor for 2 steam turbine about 150MW during overhaul maintenance program taking clearances and machining for the rotor.
 - Maintenance of journal and thrust bearing and maintenance of steam gland boxing and balance drum.
 - Maintenance of HP inner casing of the turbine and changing some of fixed blades and making tests of cracks (magnetic and penetration test).
 - Maintenance of control valves and stop valves for HP turbine.
 - Making workshop for the technicians during the overhaul maintenance explaining how to work with high profession and applying safety procedures during working and steps to be done while working in overhaul maintenance to get good results.
 - Make commissioning and start-up tests.
 - Project 2:
 - Replacement and installation rotor for gas turbine.
 - About 25MW during overhaul maintenance program taking clearances and machining for the rotor.
 - Make commissioning and start-up tests.
 - Project 3:
 - Replacement and installation rotor of the generator for 150MW turbine and replace it's Librans's and sealing and bearing systems.
 - Working with SULZER Company:
 - Maintenance of feed water pumps replacing moving and fixed stages and replace the main shaft.
 - Make commissioning and start-up tests.
 - Working with INGERSOL RAND COMPANY:
 - Overhaul maintenance two air compressors which consist of two stages giving 7 bar of compressed.
 - Working as maintenance of steam boiler unit, including the following:
 - Rotating parts: gas recirculating fan, forced draft fan, boiler circulating pump, centrifugal water pump.
 - Static parts: safety valves and control valves, pneumatic regulation valves, hp and lp bypass system, high pressure piping and tubing system: upper and lower drum, water walls, economizer, superheaters and reheat system.
 - Good experience in contracts analysis and follow up, project installation and commissioning, mechanical maintenance for all static and rotating equipments.
 - Commissioning Engineer at Assiut Combined Power Plant 1500MW with GE and ORASCOM Company (from Feb. 2018 till Dec. 2018):
 - Daily follow up commissioning activities.
 - Following up 8 HRSG start-up and commissioning.
 - Following up 2 steam turbine each 250MW.

- Following up air cooled condenser (ACC) leak, test and commissioning.
- Following up feed water pumps and condensate pumps commissioning.
- Following up closed cooling, service water, demi water pumps commissioning.
- Following up static device commissioning.
- Hydro test for 8 HRSG, BOPS piping and pressure parts.
- Check safety procedures and plant reliability.
- Following safe start-up for equipment and people.
- Flushing for lube oil and hydraulic oil and lifting oil pipe.
- Flushing for closed cooling water system.
- Working as Boiler Commissioning Engineer, operate with HP and LP valves with 4 HRSG operates with steam blow process, performance and ratability, feed and bleed for HRSG.
- Mechanical Engineer at Abu Qir New Power Plant 1300MW (from Mar. 2012 till Jun. 2013):
 - Install heavy equipment like feed water pumps.
 - Install high pressure steam valves (gate valves).
 - Install high pressure steam pipe line.
 - Install gate and non-return valves with normal pressure type.
 - Install water pipe lines with normal pressure type.
- Mechanical Instructor at EGYPTIAN COMPANY FOR ENGINEERING TRAINING: giving courses at firefighting and vibration and gas turbine.
- Mechanical Instructor at JELECOM Training Center: giving courses at power station and hydraulic systems (installation and maintenance) and steam turbines.
- Mechanical Instructor at INFINITY Center: giving courses at pumps and valves and air compressors installation and maintenance and trouble shooting.
- Mechanical Instructor at ENNPI Company for petroleum services.