

Holds a B. Sc. in Mechanical Power Engineering and has over 33 years hands-on experience working in maintenance and construction.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 09/12/1957
Gender : Male
Marital Status : Married
Residence : Damietta

EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 1982

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: OCEN program (CMMS)

TRAINING COURSES AND CERTIFICATIONS

- : VAX/VMS operation AMPLISSIMA system, held EEA, Damietta Power Station.
- : Training course in operation for 150MW oil/gas fired reheat cycle steam power plant from GE Company.
- : Training course in operation and maintenance for turbine and generator from GEC Alstom.
- : Training course from industrial safety precaution in Cairo South Training Center.
- : Training course in vibration analysis from Netcom Company.
- : Training course in balancing of rotating machine from 10th of Ramadan High Technology Institute.
- : Training course in diagnostic rotating machine defects.
- : Training course in (N.D.T) Ultrasonic test, magnetic test, dye penetration test from Central Metallurgical Research and Development Institute.
- : Training course in power plants management from General Electric Company (GE) in United States of America (USA) for 3 weeks (Sep. 2014).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2015 till now
Employer : East Delta Electricity Production Company
Projects :

- Damietta Combined Cycle Power Plant, the plant consists of 6 units of Gas Turbine, SIEMENS SGT5-2000E (V94.2), Single shaft, single casing - twin vertical combustion chambers (135MW each), with combined Cycle: 3 units of Steam turbine, Alstom (3x140MW).
- Damietta Power Plant Extension (simple cycle) 4x125MW gas turbine GE. PG 9171 (E) 50 Hertz Dual fuel DLN combustion gas turbine generator units.

Job title : Head Sector of Damietta Power Plant
Job Description : Improved the performance of the combined cycle power plant by the following:

- Planning & scheduling minor inspection and major overhaul according to the recommendation of manufactures.
- Managing implementation of operation plant service agreement (OPSA3) between Damietta P.P. and Siemens to upgrade the first four gas turbines with SI3D Blades and vanes (row 1 & 2) which increase the units load by 6MW.
- Managing & supervising the rehabilitation of HRSG unit 1, 2 performed by ALSTOM Company and contracted the remaining units.
- Managing & supervising the rehabilitation of steam turbines condensers by Damietta Staff.
- Managing & supervising the upgrade of control system and turbine governor from TELEPERM (ME) and SIMADYNE (D) to SPPA T3000 SYSTEM.

Dates : From Feb. 2012 till Feb. 2015
Employer : East Delta Electricity Production Company
Project : Damietta P.P Extension (4x125MW)
Job title : Turbine Maintenance General Manager
Job Description :

- Studying, preparing, ordering and purchasing the spare parts for gas turbine and auxiliaries which are required for combustion inspection (C.I), Hot gas path (H.G.P) and major inspection (M.I) and any other spare parts needed for all types of maintenance Implementing corrective and preventive maintenance according to manufacturer recommendations (GE).
- Assist in the preparation of the planned shutdown activities & follow up the maintenance works.
- Issuing technical reports for repair and maintenance works and also for the different types of inspection (CI, HGP, MI).
- Managing the maintenance team by planning the distribution of work and responsibilities considering safety, quality and duration of work as well as Training them through different levels of maintenance.
- Following up the spare parts, stock improvement and enhancement.
- Prepare the maintenance budget and control the expenses.

Dates : From Mar. 2010 till Jan. 2012
Employer : East Delta Electricity Production Company

- Project** : Damietta P.P Extension (4x125MW)
- Job title** : Mechanical Construction Manager
- Job Description** :
- Full responsibility of managing & supervising project execution in line with the contract specification, scope of work, schedule and all requirements in terms of proper method, material reservation and optimum output labor.
 - Review contractors site documentation, schedules and procedures.
 - Supervision of all mechanical activities performed by contractors including: civil construction, gas turbine and auxiliaries installation, commissioning and start-up, fuel oil and gas piping under and upper ground, water treatment plant, water tanks, HVAC, plumbing, firefightingetc.
 - Preparation of the punch list for all the above mentioned works and following up the contractors to finish this list in addition to all warranty works.
- Dates** : From Oct. 1993 till Mar. 2010
- Employer** : East Delta Electricity Production Company
- Project** : Damietta Power Plant
- Job title** : Mechanical Maintenance Engineer
- Job Description** :
- Carry out preventive & predictive maintenance for SIEMENS SGT5-2000E (V94.2) Single shaft, single casing - twin vertical combustion chambers 135MW base load unit gas turbine.
 - Perform Minor inspection: Open manhole and examine combustion chamber interiors burners, refractory bricks, turbine first and last stage moving and stationary blades and compressor inlet region.
 - Perform Major inspection / overhaul: Open entire machine to perform inspection, refurbishment and overhaul work (in addition to hot gas path inspection activities).
 - Studying factors affecting the gas turbine performance.
 - Preparing Gas turbine component performance diagnostic Reports.
 - Analyze gas turbine faults and upsets, investigate and recommend solutions.
 - Responsible for the following Overhaul works:
 - (Compressor – Turbine) rotor Measurements, entire dismantling, testing and inspection of Blades, wheels, tie rod & hollow shafts.
 - Combustion chamber inspection: Flame tube - mixing chamber - inner casing. Alignment for turbine-compressor single shaft, intermediate.
 - Shaft and generator rotor shaft.
 - Journal bearing measurements, inspection and fitting.
 - Hydraulic control and oil system examination.
 - Testing upstream guide vanes and its different deviations.
 - Supervising of major inspection for gas turbine V94.2 (41MAC) units after upgrading where the units were upgraded, to extend overhaul period from 33000 EOH's to 41000 EOH's through replacing dual – fuel burner, replacing the first stage for rotor blades by new material, replacing the combustion chamber, coating for first (4) stages for compressor.
 - Supervising of minor inspection for gas turbine.
 - Working in all bearing types (journal and thrust).

- Working in all pumps and compressors types.
- Working in steam turbine auxiliaries like demi Plant, oil separators pumps, compressors and valves.
- Preparing preventive maintenance programs and spare parts.
- Perform training courses for engineers and technicians annually on site.
- Working as Professional Trainer outside EGYPT of:
 - Pumps and compressors course for group of petrochemical department maintenance engineers (SABIC Company) in Saudi Arabia (Apr. 2006).
 - Rotating equipment troubleshooting course for group of petrochemical maintenance engineers (SABIC Company) in Saudi Arabia (Jul. 2007).
 - Turbo machine course for group of SONATRACH production department and maintenance engineers (NAFTOGAZ Training Center) in Algeria (Dec. 2007, Mar. 2008 and May 2008).
- Working as Resident Engineer of GT 140MW Siemens V94.2 in AZZOUR Power Station in Kuwait (Jun. 2008).

Dates : From Feb. 1990 till Oct. 1993
Employer : East Delta Electricity Production Company
Project : Damietta Combined Cycle Power Plant 1230MW
 (Gas Turbine 6x130MW Siemens + Steam Turbine 3x140MW ALSTOM)
Job title : Shift Operation Engineer

Dates : From Feb. 1985 till Feb. 1990
Project : Abu Sultan Power Plant
Job title : Shift Operation Engineer

Field of experience : • Progressive supervisory professional experience in all phases of the Mechanical equipment training / operation / erection / commissioning and maintenance.
 • Expertise in:

- Team building & leadership.
- Production planning & scheduling.
- Organization & Time management.
- Troubleshooting analysis.
- Budgeting & Finance.
- Strategic planning.
- Vendor management.