

Holds a B. Sc. in Mechanical Power Engineering and has about 16 years hands-on experience working in operation, commissioning, start-up, maintenance and construction at several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/01/1978
Gender : Male
Marital Status : Married
Residence : Gharbia

EDUCATION

: B. Sc. in Mechanical Power Engineering, Tanta University, 2002

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Data Pipe
: MATH CAD 8
: MICRO STATION

TRAINING COURSES AND CERTIFICATIONS

: ALSTOM HRSG 160 HOURS OPERATOR TRAINING PROGRAM (ALSTOM POWER INC. USA) (Sep./Oct. 2005).
: PUMPS (INITEC Energia, KSB, ITALY), OPERATION FOR FEED BOILER PUMPS, CONDENSATE PUMPS, CLOSED COOLING PUMPS, SERVICE PUMPS AND CIRCULATING PUMPS, NUBARIA POWER STATION (Jun. 2006).
: COMBINED CYCLE UNITS, 160 Hours operation and maintenance of combined cycle stations (advanced), ABU QIR TRAINING CENTER POWER STATION) (Jan./Feb. 2007).
: 70 Hours GAS TURBINE operator training program (GE MS 9001, FRAME 9, USA).
: 70 Hours STEAM TURBINE operator training program, SUEZ POWER STATION (Sep. 2003).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2017 till now
- Employer** : PGESCO
- Project** : SOUTH HELWAN SUPERCRITICAL POWER PLANT 3x650MW
- Job Description** :
- I'm currently working as a Lead Start-up Engineer in PGESCO sites to advise the owner Contractors, to monitor performance and to report any abnormalities and shift it to my PGESCO managers.
 - I have made the proper coordination between the contractors and the owner staff.
 - Evaluate and correlate data for system file procedure.
 - Review and prepare test procedure.
 - Direct component and system testing under close supervision.
 - Direct maintenance under close supervision.
 - Develop and review technical reports.
 - Participate to briefing and debriefing.
 - Support site of Safety, Quality, walk down, tests and commissioning.
 - Ensure that work being performed is within scope of services and within budget.
 - Carry out all commissioning activities (Hydro-test, chemical cleaning, steam blowing) as per manufacture recommendation.
 - Making commissioning and maintenances for service water system, firefighting system, condensate system, closed cooling system, compressed air system, demine water system, fuel oil system, fuel gas system, feed water system, drain system, H2, N2, CO2 system.
 - START-UP feed water pump, turbine driven feed water pump, condensate pump, circulation water pump.
 - Dismantle and assembly after repair all valve leakage.
 - Check and repair all leakages from heaters.
 - Dismantle and assembly pumps after replace mechanical seal and all maintenances for all pumps up to large pumps more 2MW (KSB – SULZER – SIEMENS – HITACHI).
 - Commissioning and start-up and operation and maintenances turbine driven feed water pump.
 - Making first start for these systems.
 - Create elaborate commissioning and maintenances plan including the scope of commissioning activities, duration for each, scope of interlinked activities, resources available, commissioning material requirements as well as availability of tools and machinery.
 - Managing and coordination with different subcontractors working at site.
 - Ensure that all safety and precautionary requirements and procedures are followed during the commissioning and maintenances process in line with the commissioning and maintenances schedule.
 - Load performance activities.
 - Making on-site training for client engineers for each system.
- Dates** : From Mar. 2015 till Aug. 2017
- Employer** : TOYOTA / TSUSHO / HITACHI
- Job title** : HITACHI Representative Engineer for warranty CP-118 SCOPE (BOP)

Dates : From Mar. 2014 till Mar. 2015
Employer : HITACHI
Project : BANHA Combined Cycle Power Plant 750MW
Job title : Commissioning & Maintenance Manager for CP-118 Scope (BOP)

Dates : From Oct. 2013 till Mar. 2014
Employer : HITACHI
Project : BANHA Combined Cycle Power Plant 750MW
(ANSALDO STEAM TURBINE and GE 2x250 gas turbines ANSALDO 2 HRSG)
Job title : HITACHI Deputy Commissioning & Start-up & Maintenance Manager
Job Description :

- Steam Blow Manager (23 days done).
- Qualification user to easy leaser device for alignment pump.
- Qualification user to commtest device for vibration analysis and balance.
- Qualification user to ABB & Yokogawa DCS SYSTEM.
- Qualification user to PGESCO contract specification (Bechtel Egypt branch) & codes.
- Qualification user to ASME code.

Dates : From Jul. 2011 till Oct. 2013
Employer : ZTPC & AVIC
Project : ABU QIR Thermal Power Plant Units 6 & 7, 2x650MW Gas/Oil Fired Units
(MITSUBISHI STEAM TURBINE and ANSALDO fire boiler)
Job title : Senior Mechanical Commissioning & Start-up & Operation Engineer
Job Description :

- Qualification user to easy leaser device for alignment pump.
- Qualification user to commtest device for vibration analysis and balance.
- Qualification user to ABB DCS SYSTEM.
- Qualification user to PGESCO contract specification.
- Qualification user to ASME code.

Dates : From Jan. 2010 till Jun. 2011
Employer : Initec Energia
Project : Cairo West 2x350 Thermal Power Station
(MITSUBISHI STEAM TURBINE and Hitachi fire boiler)
Job title : Commissioning & Start-up & Operation Engineer
Job Description :

- Qualification user to easy leaser device for alignment pump.
- Qualification user to commtest device for vibration analysis and balance.
- Qualification user to Yokogawa DCS SYSTEM.

Dates : From Apr. 2007 till Jan. 2010
Project : Nubaria Power Station III
Job title : Construction Engineer for Boiler Construction Works
Job Description :

- Responsible for Technical Supervisor Engineer TO OWNER for many contracts:
 - Contract No. 10049-CP-105 (Heat Recovery Steam Generator & Auxiliaries).
 - Contract No. 10049-PO-112 (Critical Piping & valves).

- Good searchable in ASME CODE.
- Responsible for the Supervise the construction of the Contract Items and Schedule of the Various Contacts.
- Project Engineer Supervisor.
- Reviewing Specifications of the contract.
- Reviewing (MIR) Material Inspection Report, (MRR) Material Receiving Reports and MTO of all Drawing and the balance between the Final Quantities and contracts Quantities.
- Reviewing the materials and Installation of all component and Equipments.
- Supervise the specification of the project.
- Follow up the project daily works (piping, welding and equipment construction).
- Perform Visual Test (VT).
- Perform Die Penetrate Test (PT).
- Perform radiographic Test (RT).
- Follow up the preparing of the tender document.
- Follow up all site mechanical construction activities.
- Attend mechanical activity progress meetings.
- Preparing all kinds of reports.
- Follow for installation of pumping stations.
- Gas turbine General Electric (GE) 2x250MW GE MS 9001 FA.
- Steam Turbine ALSTOM 250MW TC2F.
- 2 HRSG Boilers (STF) Company ITALY
- Pumps of different types commissioning and maintenance.
- Cooling water underground pipes 2500 mm N.D.
- Cooling water intake equipment (sluice gates, travelling band screens).
- Fire protecting piping of fuel tanks (foam system, cooling system).
- OFF-SHORE TRAINING MAGENTA MILANO ITALY FOR (Commissioning and maintenance 2 HRSG STF COMPNY) 750MW (period 160 hrs) (one month) (Jun./Jul. 2009).
- ON-SHORE TRAINING (commissioning and maintenance 2 HRSG STF COMPNY) 750MW (period 160 hrs) (one month) (Feb./Mar. 2010).

Dates : From Mar. 2005 till Mar. 2007

Employer : Middle Delta Electricity Production Company

Project : NUBARIA POWER STATION (1500MW) (2x750MW)
(SIEMENS GAS TURBINE, GE GAS TURBINE, MITSUBISHI STEAM TURBINE & ALSTOM HEAT RECOVERY, THIS PLANT PROVIDES ELECTRIC POWER TO THE EGYPTIAN GRID VIA 6 FEEDERS OF 500/220KV)

Job title : Control Room Senior in charge Operating Engineer

Job Description :

- Manage and supervise for all activities related to commissioning & start-up of COMBINED POWER PLANT (2x750MW).
- Commissioning, chemical cleaning, steam blow out and operation for 4 ALSTOM H.R.S.G.
- Performing all commissioning activities in DCS and LOCAL SIDES.
- Follow the dispatch load request.
- Perform periodical test.
- Shut down and start-up the unit.

- Operate the unit in disturbed situation.
- Collect and analyze periodical data.
- Follow and deal with alarms in control room.
- Perform necessary measures before equipment start-up.
- Follow operation specification.
- Analyze equipment efficiency.
- Check availability of stand by equipment.
- Leading the shift personnel and equipments.
- For detected defect, issue an accurate and argued work request.
- Apply validated procedures.
- Record and write all necessary information (LOGBOOK).

Dates : From May 2003 till Mar. 2005

Project : Suez Power Plant
(1x100MW ST + 4x50MW ST + 1x13MW GT)

Job title : Shift Charge Engineer

Job Description :

- Follow the dispatch load tracing.
- Leading the shift personnel and equipments.
- Analysing all documentation and turn over packages during the turbine and boiler overall activities.
- Attending all equipments performance test.
- Activities during the re start up of the plant.

Field of experience :

- Coordination and contact with each equipment vendor and subcontractor.
- Schedule and plan for all commissioning and start-up maintenance as per operation & maintenance manual.
- (Daily - weekly - monthly - annual) check list for each equipment as per operation and maintenance manual.
- Procedure for each commissioning and start-up and maintenance.
- Check and control spare part.
- Arrange work permit paper and safety in site.
- Report with photos for each maintenance.