

Holds a B. Sc. in Mechanical Power Engineering. Has over 9 years hands-on experience in site acceptance tests, commissioning and operation also playing the role of coordinating as an owner during commissioning maintenance for Gas Turbine & Steam Turbine (MHI), Steam Blow HRSG (Alstom), commissioning and start-up for Combustion Turbine Generator (SIEMENS). Certified as a level II welding inspector in Liquid Penetrant Testing and Magnetic Particle Testing.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 23/07/1977
Marital Status : Married

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet

TRAINING COURSES AND CERTIFICATIONS

- : Basic maintenance & operation for electrical power station generally, combined cycle especially by West Delta Electrify Production Company Training Centre, Damanhour Power Station Combined Cycle.
- : Basic operation training for steam turbine (255MW rated output) by Mitsubishi Heavy Industries Ltd Company (MHI), Nubaria Power Station Combined Cycle.
- : Basic maintenance & operation for steam turbine (255MW rated output) by Mitsubishi Heavy Industries Ltd. Company (MHI), Nagasaki, Japan.
- : Basic maintenance & operation for steam turbine generator (264.35 rated output) by Mitsubishi Corporation Energy System Center (MELCO), Kobe, Japan.
- : Certified as Simpower training on the generic multishaft (2+1) CCPP simulator, Nubaria Power Station (simulator class room).
- : Certified from Leader Ship Development Center at Electricity and Energy Egyptian sector on training course in Train of trainer, Ministry of Electricity and Energy, Nov./Dec. 2010.

- : Certified from Middle East Technical Training Academy, 36 hours occupational training course in Project Management Professional (PMP).
- : Certified from Egyptian Welding Academy Center as a level II welding inspector in the following:
 - Liquid Penetrate Testing.
 - Magnetic Particles Testing.
- : Certified from High Trade Group for (Health & Safety) Center as OSHA safety training courses in:
 - 30 hrs OSHA General Industry & Health Standards I.D. #21-900292123.
 - 30 hrs OSHA Construction Safety & Health Standards I.D. #21-600614323.
 - OSHA Scaffolding (Competent Person) Standard I.D. #STI17843.
- : ICDL, UNSCO Skills Card no. UN11012368.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2009 till now
- Employer** : Middle Delta Electricity Production Company
- Project** : Nubaria Power Station Combined Cycle:
The Nubaria (I & II & III) Power Plant is one of greatest plant in Egypt with 2250MW capacity.
- Job title** : Senior Steam Turbine Maintenance Engineer
- Job Description** :
 - Responsible of steam turbine maintenance equipment & auxiliary systems as belt MHI maintenance program.
 - Responsible in over all maintenance (finish of guarantee maintenance), it's for inspection about any cracks, deformation, clearance check and erosion for all rotary parts, inspection of lube oil system parts, by pass station parts (HP&IP), condenser parts & auxiliary system parts and HP/IP/LP stop & control valves parts, for LP turbine and condenser & auxiliary system parts.
 - Disassembly & assembly parts and inspection under instruction of MHI personal.
- Dates** : From May 2009 till Nov. 2009
- Employer** : Middle Delta Electricity Production Company
- Project** : Nubaria Power Station Combined Cycle Module I & II:
The Nubaria module I & II consists of 4 Siemens gas turbines, 2 Mitsubishi steam turbines and 4 Alstom HRSG.
- Job title** : Senior Shift Charge Engineer
- Job Description** : Coordinating between operator (engineer's & technicians). For operating main component & auxiliary systems for a power plant contains of the following specification:
Two modules, each module consists of:
 - Two Siemens CTG 250MW type V94.3A
 - Two horizontal Alstom HRSG
 - One Mitsubishi STG 250MW (HP, IP, LP)
 - 220KV switchyard ABB.

- 500KV switchyard JAPAN AG.
- Four tie transformers 500/220KV ZTR.
- Medium and Low Voltage Switchgears.
- Pump house equipment.

Dates : From Oct. 2008 till May 2009
Employer : STF Company, main contractor for HRSG Italian Co.
Project : Nubaria Power Station Combined Cycle, Module III:
 Nubaria module III consists of 2 GE gas turbines, 2 STF (HRSG) and 1 steam turbine Alstom Power.
Job title : Mechanical Construction Engineer
Job Description : Responsible for supervision of the following mechanical construction activities from HRSG casing internal & external equipment:

- Gas inlet duct body.
- Fitting & fabrication at workshop.
- Structure steel assembly.
- HP/IP, LP.
- Preheat pumps.
- Installing & adjusting and make check for all equipment verticality, axis, levels and alignment before receiving the equipment for quality management for final check.

Dates : From Oct. 2005 till Oct. 2008
Employer : Middle Delta Electricity Production Company
Project : Nubaria Power Station Combined Cycle, Module I & II
Job title : Commissioning & Start-up Engineer / Shift Charge Engineer
Job Description :

- The Owner Authorized Representative for following commissioning & start-up activities:
 - Pre-commissioning, commissioning, start-up, tests, synchronization tests, load rejection tests, reliability test and normal operation for MHI steam turbine and its auxiliaries (MHI steam turbine has the following specification: rated output power 255MW & three pressure stage HP/IP/LP, two cylinder tandem compound double exhaust, condensing reheat & mixed pressure turbine, the type is (TC2F-35.4")).
- As Boiler Operator Engineer (HRSG):
 - Commissioning, steam blow out, start-up and operation for 4 Heat Recovery Steam Generators (HRSG) ALSTOM product, which has the following specification: horizontal exhaust type natural circulation, three pressure levels: HP (125barg, 74 kg/s), IP (25barg, 85kg/s), LP (5barg, 10kg/s).
 - Make first run of pumps (HP/IP, LP, condensate, preheat, closed cooling, service, cooling) and confirm the protection tests, make flushing & chemical cleaning for feed lines to HRSG.
 - Commission & start-up, make revision to logic and protection and normal operation to HRSG.

Dates : From Oct. 2003 till Oct. 2005
Employer : Middle Delta Electricity Production Company

- Project** : Nubaria Power Station Combined Cycle, Module I & II
- Job title** : Mechanical Construction Engineer
- Job Description** : The Owner Authorized Representative for the following mechanical construction activities:
- Steam turbine equipment installing & adjusting, HP/IP, LP turbine, LP cover body, stator diaphragms, rotor, upper & lower casing coupling, cross over pipe (thrust & journal) bearing, condenser shell, skirt, flexible joint, stop & control valves, oil, vacuum, sealing, water box vacuum pump, ball cleaning, debris filter, gas dryer, hydrogen & nitrogen charging systems, supports, structure steel erection, piping, HP/LP drain manifold installing and insulation works.
- Field of experience** :
- Construction works.
 - Technical office.
 - Site acceptance tests.
 - Commissioning & start-up and operation.