101604-ELE-1OS-E-2005
Commissioning & Shift Charge Engineer

Holds a B. Sc. in Electrical Power Engineering and has about 10 years hands-on experience working in operation, commissioning and start-up of gas and steam turbines.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	02/11/1982
Gender	:	Male
Marital Status	:	Married
Residence	:	Currently KSA

EDUCATION

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

LANGUAGES

Arabic	:	Native Language
English	:	Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Off-shore training of ALSTOM steam turbine & generator controls operations, Birr – Switzerland (Jun./Jul. 2010).
: Condenser Exhauster Vacuum Pump Units & Waterbox Priming Pump on-shore training by NASH, Nubaria (May 2010).
: Generator Protection Functions and Synchronizing Panel on-shore training by INITEC ENERGIA and PROINELCA POWER, Nubaria (Apr. 2010).
: Training on function and operation of the Alstom CM Condenser on-shore training by ALSTOM and INITEC ENERGIA, Nubaria (Apr. 2010).
: Generator / Excitation on-shore training by ALSTOM POWER SERVICE COMMISSIONING DPT (Mannheim /Germany), Nubaria (Mar. 2010).
: Turbine Operation on-shore training by ALSTOM POWER SERVICE COMMISSIONING DPT (Mannheim /Germany), Nubaria (Mar. 2010).
: Instrumentation and Control on-shore training by ALSTOM POWER SERVICE COMMISSIONING DPT (Mannheim – Germany), Nubaria (Mar. 2010).
: Maintenance for turbines, Nubaria (Nov. 2008).
: Component and operation for the medium & high voltage, Nubaria (Feb. 2008).

: Component and operation for combined cycle, Nubaria (Feb. 2008).
: Component and operation for GAS turbine, Nubaria (Jan. 2008).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2015 till now
Employer : SAMSUNG C&T
Project : RABIGH 2 IPP (R2IPP 2050MW) COMBINED CYCLE POWER PLANT – RABIGH, JEDDAH, KSA
Job title : Commissioning & Shift Charge Engineer

Dates : From Apr. 2014 till Aug. 2015
Employer : EGYPTROL, SAMSUNG C&T Subcontractor
Project : Qurayyah Independent Power Project (6x750MW) – Combined Cycle, KSA
Job title : Commissioning & Start-up Engineer / Shift Charge Engineer
Job Description :

- 12 GTG SIEMENS 231.9MW SGT6-5000F.
- 12 BHI HRSGs HP, LP PRESSURE and each one has a KETTLE BOILER to cooling air from compressor and returne to cooling rotor.
- 6 SIEMENS steam turbines SST6-4000 225MW (HP, LP).
- Natural Gas Station consists of: Two Emergency shut-down (ESD) valves, Two Dry scrubber, Two Filter separators, Gas metering station, Gas chromatograph analyzer, 13 Atlas Comp Co. gas compressor, Seven Dew Point heater, PRV area contains seven lines and Chiller system which contain two phase each phase contain: One Thermal Energy Storage tank, Ten Secondary Chilled Water Pumps, Eight chiller modules.

Dates : From Jan. 2014 till Apr. 2014
Employer : Middle Delta Electricity Production Co. (MDEPC)
Project : Nubaria Power Station
Job title : Shift Charge Engineer

Dates : From Jan. 2013 till Dec. 2013
Employer : Middle Delta Electricity Production Co. (MDEPC)
Project : Nubaria III Power Station
Job title : GE Gas Turbine Operation Engineer MS9001 FA 250MW

Dates : From Apr. 2010 till Jan. 2013
Employer : Middle Delta Electricity Production Co. (MDEPC)
Project : Nubaria Site module 3:

- Two GE CTG 250MW type 9FA.
- Two horizontal STF Company HRSGs.
- One Alstom STG 250MW (HP, IP, LP).
- 220KV switchyard ABB.
- 500KV switchyard JAPAN AG.
- Four tie transformers 500/220KV ZTR.
- Medium and Low Voltage Switchgears.

Job title : ALSTOM STG Operator

Dates : From Jan. 2008 till Apr. 2010

Employer : Middle Delta Electricity Production Co. (MDEPC)

Project : Nubaria Site modules 1 & 2:

- Two SIEMENS CTG 250MW each module.
- Two horizontal ALSTOM Company HRSGs for each module.
- One MITSUBISHI steam turbine 250MW (HP, IP, LP).
- 220KV switchyard ABB for each module.
- 500KV switchyard JAPAN AG for each module.
- Four tie transformers 500/220KV ZTR for each module.
- Medium and Low Voltage Switchgears for each module.

Job title : MHI Steam Turbine Operation Engineer

Field of experience :

- Commissioning & Start-up activities: Solo test, Heat run tests, Function Tests for all Equipment's, Air blowing, Hydraulic tests, Fuel oil flushing, Lube oil flushing, Water system flushing, Turning Gear Operation, GT's First Firing by Gas or Oil, Steam blowing (continues or pulsations), Bypass operation, Loops check, DCS signals and logics check, Steam admission and warm up speed, Automatic Turbine Tester (ATT), Dummy synchronizing, Runback test, Partial load rejection, Full load rejection, Cold start-up, Warm start-up, Hot start-up, Pre-Performance Test, actual Performance Test (PT), Reliability Test Running (RTR), Preservation HRSG and steam lines.
- Operation / Shift Charge Engineer activities:
  - Manage and supervise for all activities related to commissioning & start-up and operation of combined power plant.
  - Commission, chemical cleaning, steam blow out and operation for two H.R.S.G.s. & all auxiliary (chiller, service water system, ...).
  - Perform in 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 before equipment start-up.
  - Follow operation specification.
  - Analyze equipment efficiency.
  - Check availability of stand by equipment.
  - For detected defect, issue an accurate and argued work request.
  - Apply validated procedures.
  - Record and write all necessary information (log book).