102707-ELE-1OS-E-2000
Shift Charge Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 21 years' experience working in operation, commissioning and start-up at several Power Plants.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	10/07/1975
Gender	:	Male
Marital Status	:	Married
Residence	:	Currently Sharjah, UAE

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2000

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

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

: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: Off-shore training course for operation of DKYZZ-2N41c steam turbine & generator 50WT21H (for 1 month in Mannheim, GERMANY):
- Steam Turbine Operations.
- Generator Operations.
- Steam turbine control system P320 TGC.

: Off-shore training course for control system ALSPA P320 in Massay, France.

: Basic and site-specific training courses in Shoubra El-Kheima training system for power plant equipment and system theory and application.

: Job-site operation training for HRSG by NEM (7 days).

: Job-site classroom training for M701F Gas Turbine unit by Mitsubishi (15 days).

: Job-site classroom training for KSB Pump sets installed (boiler feed water circulation, condensate, service, closed cooling & raw water pumps), 7 days.

: Job-site training for Cegelec in DC & UPS system – operation & maintenance.

: Summer trainings at:
- Shoubra El-Kheima Power Plant (Jul./Aug. 1997).
- Salesian Institute (Don Bosco) training course in Control by contractors (3 months in 2001).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2022 till now
Employer : El Sewedy Electric PSP
Project : Al Layah Power Plant, Sharjah – UAE:
1 Module x 1026MW consists of:
- 2x330MW Gas turbine manufactured by MITSUBISHI.
- 1x360MW steam turbine manufactured by MITSUBISHI.
- BOP commissioned and operated by (El Sewedy Electric PSP).

Job title : Shift Charge Engineer

Dates : From Mar. 2020 till Jan. 2022
Employer : El Sewedy Electric PSP
Project : Assiut Supercritical Thermal Power Station (650MW):
- 1x650MW steam turbine manufacture by (DOOSAN).
- Supercritical Boiler Manufactured by (Ansaldo Caldaie).
- BOP commissioned and operated by (El Sewsdy Electric PSP).

Job title : BOP Lead Operation Engineer

Dates : From Mar. 2018 till Jun. 2019
Employer : SIEMENS
Project : Al Burullus Power Station (4800MW) Combined Cycle:
4 modules, each module consists of:
- 2x400MW Gas Turbines Manufactured by (SIEMENS).
- 1x400 MW Steam Turbine Manufactured by (SIEMENS).
- 8 x Heat Recovery Steam Generators (HRSG) – Manufactured by NEM.

Job title : HRSG Start-up & Mech. Commissioning Engineer

Dates : From Aug. 2017 till Feb. 2018
Employer : Ansaldo Caldaie
Project : Al-Shabab Power Station (1500MW) Combined Cycle:
2 modules, each module consists of:
- 4x125MW Gas Turbines Manufactured by General Electric (GE).
- 2x250MW Steam Turbine Manufactured by Ansaldo Energia.
- 8 Heat Recovery Steam Generators (HRSG) Manufactured by Ansaldo Caldaie.

Job title : Operation Team Leader

Dates : From May 2017 till Aug. 2017
Employer : EGYPTROL
Job Description : Writing the Operation instruction manuals for Shaybah Combined Cycle Power Station (Saudi ARAMCO).

Dates : From Nov. 2016 till May 2017

Employer : SIEMENS

Project : NEW CAPITAL Power Station (4800MW) Combined Cycle:
4 modules, each module consists of:
- 2x400MW Gas Turbines Manufactured by SIEMENS.
- 1x400 MW Steam Turbine Manufactured by Siemens.
- Once Through Steam Generators (OTSG) – Manufactured by NEM.

Job title : GT Start-up & Mech. Commissioning Engineer

Dates : From Apr. 2015 till Mar. 2016

Employer : STF

Project : GIZA North Power Station (750MW) Combined Cycle:
3 modules, each module consists of:
- 2x250MW Gas Turbines manufactured by General Electric (GE) (MS9001FA).
- 1x250MW Steam Turbine manufactured by Ansaldo Energia.
- Two Heat Recovery Steam Generators (HRSG) – a triple pressure level with a reheat system – manufactured by STF.

Job title : Operation Team Leader

Dates : From May 2014 till Nov. 2014

Employer : Ansaldo Caldaie

Project : Banha Power Station (750MW) Combined Cycle:
- 2x250MW Gas Turbines Manufactured by General Electric (GE) (MS9001FA).
- 250MW Steam Turbine Manufactured by Ansaldo Energia.
- Two Heat Recovery Steam Generators (HRSG) – a triple pressure level with a reheat system - Manufactured by Ansaldo Caldaie.

Job title : HRSG Operation Engineer

Dates : From Nov. 2013 till Feb. 2014

Employer : GE

Project : Banha Combined Cycle Power Station (750MW)
(2x250MW Gas Turbines manufactured by General Electric (GE) (MS9001FA))

Job title : Operation Engineer

Job Description :
- Operation (start-up & shut down) of the units.
- Dealing with all GT auxiliaries such as pumps, compressors and fans.
- Make all work related to the gas turbine such as compressor water wash charging and discharging of H2 from generator.
- Decide the isolation procedure for the gas turbine in outage for inspection.
- Writing reports about troubles and decide the isolation procedure for the equipment in case of maintenance during normal operation according to safety operation rules.

Dates : From Jul. 2009 till Nov. 2013

Employer : Cairo Electricity Production Co. (CEPC)

Project : Cairo North Combined Cycle Power Station (1500MW):

2 modules, each 750MW, the second module consists of:

- 2x250MW Gas Turbines manufactured by General Electric (GE) (MS9001FA).
- 1x250MW Steam Turbine manufactured by Alstom.
- Two Heat Recovery Steam Generators (HRSG) – a triple pressure level with a re-heat system, manufactured by NEM.
  - Capacity (each): 100 t/h.
  - Main steam pressure: 130 bar.
  - Main steam temperature: 568 °C.

Job title : Shift Charge Engineer

Job Description :

- Operation (start-up & shut down) of the units (Gas Turbines, HRSG, Steam Turbine & their auxiliaries) in addition to station common auxiliaries (Fuel gas compressors, Hypochlorite injection system, Compressed air systems, etc.).
- Dealing with the unit trip conditions or HRSG trip conditions even the unit is in simple cycle mode or in combined cycle mode.
- Decide the isolation procedure for the gas turbine or the steam turbine in outage for inspection or overall maintenance.
- Writing reports about troubles and decide the isolation procedure for the equipment in case of maintenance during normal operation according to safety operation rules.
- Dealing with 220KV circuit breakers with the national dispatch center.

Dates : From Dec. 2007 till Apr. 2009

Employer : NEM

Project : Cairo North Combined Cycle Power Station (1500MW):

Two modules, each 750MW, the second module consists of:

- 2x250MW Gas Turbines Manufactured by General Electric (GE) (MS9001FA).
- 1x250MW Steam Turbine manufactured by Alstom.
- Two Heat Recovery Steam Generators (HRSG) – a triple pressure level with a reheat system - manufactured by Dutch NEM. Capacity (each): 100 t/h. Main Steam Pressure: 130 bar. Main Steam Temperature: 568 °C.

Job title : HRSG Warranty Engineer

Dates : From Jul. 2007 till Nov. 2007

Employer : NEM

Project : Cairo North Combined Cycle Power Station (1500MW):

2 modules, each 750MW, the second module consists of:

- 2x250MW Gas Turbines Manufactured by General Electric (GE) (MS9001FA).
- 1x250MW Steam Turbine manufactured by Alstom.
- Two Heat Recovery Steam Generators (HRSG) – a triple pressure level with a reheat system - manufactured by Dutch NEM. Capacity (each): 100 t/h. Main Steam Pressure: 130 bar. Main Steam Temperature:

568 °C.

Job title : HRSG Start-up & Mech. Commissioning Engineer

Job Description :

- Smooth and stable control of two Heat Recovery Steam Generators (HRSG) during normal operation, start-up and shut down activities and emergency situations.
- Safe isolation of equipment for emergency and planned outage for maintenance.
- Coordinating and performing maintenance to control valves, motorized valves, attemperators, pumps, sample station, chemical dosing station …etc.
- Monitoring water chemistry and thus the chemical dosing rate with the recommended solution.

Dates : From Nov. 2006 till Jul. 2007

Employer : Cairo Electricity Production Co. (CEPC)

Project : Cairo North Combined Cycle Power Station (1500MW):

2 modules, each 750MW, the first module consists of:

- 2x250MW Gas Turbines manufactured by Mitsubishi Heavy Industries (MHI model M701F) – Diasys Control System.
- 1x250MW Steam Turbine manufactured by Hitachi – Mark VI Control System.
- Two Heat Recovery Steam Generators (HRSG) – a triple pressure level with a re-heat system, manufactured by NEM.
  - Capacity (each): 100 t/h.
  - Main steam pressure: 130 bar.
  - Main steam temperature: 568 °C.

(The plant is complete with fuel systems (natural gas or fuel oil), Fuel gas compressors, Feed water & Condensate system, make up water system, Demineralization plant, Compressed service & Instrument air systems, Circulating water system from river Nile (for turbine condenser cooling), Chemical systems, Instrumentations and DCS Control System (FOXBORO), High voltage KV switchgears, etc.)

Job title : Shift Charge Engineer

Dates : From Mar. 2004 till Nov. 2006

Employer : Cairo Electricity Production Co. (CEPC)

Project : Cairo North Combined Cycle Power Station (1500MW)

Job title : Shift Operator Engineer

Job Description :

- Attended the commissioning activities, including pre-commissioning tests of both Gas Turbines, HRSGs, Steam Turbine, followed by HRSG and piping steam blowing, unit first synchronization, one month reliability tests, acceptance & heat rate tests, commercial power gen. for the units, etc.
- Line up and operation (start-up & shut down) of the units (Gas Turbines, HRSG, Steam Turbine & their auxiliaries) in addition to station common auxiliaries (Fuel gas compressors, Hypochlorite injection system, Compressed air systems, etc.).

Dates : From Mar. 2003 till Mar. 2004

Employer : Cairo Electricity Production Co. (CEPC)

Project : Shoubra El-Kheima Steam Power Station (4x315MW)
Job title : Shift Operator Engineer