

Holds a B. Sc. in Mechanical Engineering and a Diploma of Power Plant. Has about 15 years hands-on experience working in construction, maintenance, operation, commissioning and start-up at several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 29/01/1985
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Mechanical Engineering, Mansoura University, 2007
: Diploma of Power Plant, Mechanical Engineering, Mansoura University, 2010

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Offshore training course for operation of DKYZZ-2N41c steam turbine & Generator 50WT21H (for 1 month) in Mannheim, Germany (Alstom):
 - Steam Turbine Operations.
 - Generator Operations.
 - Steam turbine control system P320 TGC.
- : Offshore 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 (for 7 days).
- : Job site Classroom Training for M701F Gas Turbine Unit by Mitsubishi (for 15 days).

- : Job site Classroom Training for KSB Pump sets installed (Boiler Feed Water, Circulating, Condensate, Service, Closed cooling & Raw water pumps) (for 7 days).
- : CMI training on site.
- : SIEMENS V94.3A commissioning & maintenance.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2021 till Aug. 2021
Employer : METKA
Project : Bridge CCPP 300MW EPC:

- 5 x GT TM2500.
- 5 x OTSG CMI.
- 1 x ST Triveni.

Job title : Lead Mechanical Commissioning / Installation Engineer

Dates : From Mar. 2021 till Apr. 2021
Employer : GE
Project : Suez Thermal Power Plant 650MW
Job title : Steam Turbine Installation TFA
Job Description : Service job/outage Alstom Steam turbine.

Dates : From Sep. 2020 till Mar. 2021
Employer : GE
Project : Malaysia Melaka Combined Cycle Power Plant 2242MW
Job title : HRSG TFA
Job Description : Supervision of installation / commissioning.

Dates : From Jun. 2020 till Sep. 2020
Employer : GE
Project : Malaysia Track 4A Combined Cycle Power Plant 1440MW
Job title : HRSG / WSC / Bop Mechanical / Process Lead Commissioning Engineer
Job Description : Supporting Hot Commissioning of HRSG / WSC / BOP.

Dates : From Dec. 2019 till Mar. 2020
Employer : GE
Project : Mexico EVM Combined Cycle Power Plant 850MW
Job title : HRSG / WSC / Bop Mechanical / Process Lead Commissioning Engineer
Job Description :

- Commissioning of HRSG equipment (chemical cleaning, steam blow, valves, hp, ip, lp, pumps condensate pump, control system Mark 6e, valve tuning, Performance test.
- Supervising boiler & BOP piping/Valves installation, chemical cleaning and hydrotest.
- P&ID following and walk down.
- Solo run vibrations check motor alignment of FWP and all pumps.

- Overall supervising maintenance of HRSG equipment such as pumps, valves, lines) Supervising construction team, i&C, electrical.
- Prepare maintenance & commissioning schedule and supervises the work of commissioning Hp, lp and condensate pumps drums leakage.

Dates : From Dec. 2017 till Jul. 2019
Employer : GE / ALSTOM
Project : OMAN Combined Cycle Ibri IPP 1500MW- DKYZ3-2N33G
Job title : Steam Turbine Commissioning TA Lead Engineer
Job Description :

- Carry out the two Alstom Steam Turbine, Generator cold and hot commissioning activities such as lube oil, auxiliaries, Stop/Control valve, hydraulic oil, jacking pump, gland Steam, spray hood, vibration probs commissioning alignment of the rotor supervising, aware about control system Alspa, etc.
- Prepare maintenance & commissioning schedule and supervise the works of commissioning.
- Overall supervision of the erection (piping/BOP), maintenance & commissioning Start-up activities regarding turbine, pumps, fans, blowers, valves, etc.

Dates : From Feb. 2017 till Dec. 2017
Employer : GE
Project : West Damietta Add-on Combined Cycle Power Plant 1500MW
Job title : HRSG / WSC / ST-D200 / GT-9E Mechanical / Process Commissioning Lead Engineer
Job Description :

- Commissioning of HRSG equipment (chemical cleaning, steam blow, valves, hp, ip, lp, pumps condensate pump, control system Mark6e, valve tuning, Performance test.
- Overall supervising maintenance of HRSG equipment such as pumps, valves, lines) Supervising construction team, i&C, electrical.
- Supervising boiler & BOP piping installation, chemical cleaning and hydrotest.
- Prepare maintenance & commissioning schedule and supervise the work of commissioning Hp, lp and condensate pumps drums leakage.
- Support steam turbine commissioning activities cold & hot, lead commissioning for GT 9E for evaporative cooling for 4 GT and open items remaining for 4 GT 9E.

Dates : From May 2017 till Feb. 2018
Employer : Amec Foster Wheeler & Siemens
Project : Saudi Arabia Combined Power Plant Hail 2
Job title : Steam Turbine, HRSG, BOP Commissioning Lead Engineer
Job Description :

- Supervising boiler & BOP piping installation, chemical cleaning and hydrotest.
- Shaft alignment, vibration probs check installation and commissioning.
- Commissioning of HRSG & ST equipment (chemical cleaning, steam blow, valves, hp, ip, lp, pumps condensate pump).
- Overall supervising maintenance of HRSG & ST equipment such as pumps, valves, lines.

- Prepare maintenance & commissioning schedule and supervise the work of commissioning Hp, ip, lp and condensate pumps drums leakage.

Dates : From Aug. 2016 till Feb. 2017
Employer : ALSTOM
Project : South Korea Pohang Power Station Thermal Cycle
Job title : Steam Turbine Commissioning TA / Engineer
Job Description :

- Work in commissioning team for Alstom project.
- Carry out the Steam turbine activities such as lube oil, auxiliaries, seal oil, closed cooling, fire-fighting, Jacking pumps, vacuum pump, valves, pipe leak test, gland steam.
- Supervising Steam Turbine & BOP piping installation, chemical cleaning.
- Vibration check and commissioning.
- Prepare maintenance & commissioning schedule and supervise the works of commissioning.
- Overall supervision of the maintenance & commissioning activities regarding turbine, pumps, fans, blowers, valves, etc.

Dates : From Jan. 2016 till Aug. 2016
Employer : SIEMENS
Project : New Capital Power Plant (4x1200MW) SGT 8000H
Job title : GT & BOP Installation, Commissioning & Start-up Engineer
Job Description :

- Work in commissioning team for Siemens Project.
- Carry out the GT BOP installation & commissioning activities such as lube oil, auxiliaries, seal oil, damper, closed cooling, fire-fighting, H2 Cooled generator and sealing, gas compressor, pumps, valves, pipe leak test, T3000 control system.
- Prepare maintenance & commissioning schedule and supervise the works of commissioning and installation.
- Overall supervision of the installation, maintenance & commissioning activities regarding turbine, pumps, fans, blowers, valves, inlet guide van, damper, etc.

Dates : From Oct. 2015 till Jan. 2016
Employer : ALSTOM
Project : Dhurma Power Station (2100MW) Combined Cycle, KSA:

- 8 x 170MW Gas Turbines Manufactured by GE frame 7.
- 2 x 340MW Steam Turbine Manufactured by (Alstom) DKYZ3-2N33.
- Four Heat Recovery Steam Generators (HRSG) – a triple pressure level with a reheat system - Manufactured by (Alstom).

Job title : Steam Turbine, Generator Commissioning TA / Engineer
Job Description :

- Work in commissioning team for Alstom Project.
- Carry out the Steam turbine, Generator commissioning activities such as lube oil, auxiliaries, seal oil, damper, closed cooling, fire-fighting, H2 Cooled generator and sealing, gas compressor, pumps, valves, pipe leak test, production test, aware about ALSPA CS.
- Vibration checks and commissioning.
- Prepare maintenance & commissioning schedule and supervise the works of commissioning,

- Overall supervision of the maintenance & commissioning activities regarding turbine, pumps, fans, blowers, valves, inlet guide vane, damper, etc.

Dates : From Jan. 2015 till Oct. 2015
Employer : Ansaldo
Job title : HRSG Start-up & Commissioning Eng. Support
Job Description :

- Commissioning of HRSG equipment (chemical cleaning, steam blow, valves, hp, ip, lp, pumps condensate pump.
- Supervising boiler & BOP piping installation, chemical cleaning and hydrotest.
- Overall supervising maintenance of HRSG equipment such as pumps, valves, lines).
- Prepare maintenance & commissioning schedule and supervise the work of commissioning Hp, ip, lp and condensate pumps drums leakage.

Dates : From Jun. 2014 till Jan. 2015
Employer : GE
Project : Banha Power Station (750MW) Combined Cycle
Job title : GT Commissioning Engineer
Job Description :

- GT & BOP installation & commissioning activities such as lube oil, auxiliaries, seal oil, damper, closed cooling, fire-fighting, and sealing, gas compressor, pumps, valves, pipe leak test.
- Prepare maintenance & commissioning schedule and supervise the works of commissioning and installation.
- Overall supervision of the installation, maintenance & commissioning activities regarding turbine, pumps, fans, blowers, valves, inlet guide vane, damper, etc.

Dates : From Sep. 2009 till Jun. 2014
Employer : Middle Delta Electricity Production Co.
Project : Talkha Combined Cycle Power Plant (750MW) - Siemens 2 gas turbines (V94.3A), Alstom steam turbine CMI & SKODA PRAHA HRSG
Job title : GT & BOP Lead Mechanical Maintenance Engineer
Job Description :

- Daily and monthly reports preventive, corrective & predictive maintenance schedule and minor, hot gas pass and major inspection.
- Shaft alignment of all rotating equipment and vibration checks.
- Co-ordinate between Operation Dept. & Maintenance Dept. to solve problems & fix faults.
- Maintenance of all BOP & GT equipment such as generator, closed cooling, damper, service water and compressor, fire-fighting sys. Lube oil, Pumps, valves.
- Participate in commissioning & construction.

Dates : From Jan. 2008 till Aug. 2009
Employer : Middle Delta Electricity Production Co.
Project : Talkha Power Station (750MW) Combined Cycle:
 2 modules, each module consists of:

- 2x250MW Gas Turbines Manufactured by Siemens V94.3A.
 - 1x250MW Steam Turbine Manufactured by (Alstom) DKY 223-2N41C.
 - Two Heat Recovery Steam Generators (HRSG) – a triple pressure level with a reheat system - Manufactured by CMI & SKODA PRAHA.
- Job title** : Shift Charge Engineer
- Job Description** :
 - Daily Reports for the normal Operation of Units.
 - Co-ordinate between Operation Dept. & Maintenance Dept. to solve problems & fix faults.
- Dates** : From Jan. 2007 till Jan. 2008
- Employer** : Middle Delta Electricity Production Co.
- Project** : Talkha Power Station (750MW) Combined Cycle:
2 modules, each module consists of:
 - 2x250MW Gas Turbines Manufactured by Siemens V94.3A.
 - 1x250MW Steam Turbine Manufactured by (Alstom) DKY 223-2N41C.
 - Two Heat Recovery Steam Generators (HRSG) – a triple pressure level with a reheat system - Manufactured by CMI & SKODA PRAHA.
- Job title** : Field & Control Room Operator
- Job Description** :
 - Overseeing all mechanical election work on turbine, HRSG, BOP.
 - Commissioning and start-up Alstom (250MW) DKYZZ3-2N41C steam turbine.
 - Commissioning, steam blow, by-pass operation and start-up of ALSTOM (250MW) and CMI HRSG (680 Ton steam/hr).
 - Commissioning and start-up of two gas turbines Siemens V94.3A and their equipment generator lube oil hydraulic system boggy sys, etc.
 - Operations of all combined cycle two gas turbines Siemens, a steam turbine Alstom and two HRSG CMI & Skoda Praha (T3000) (DCS system).
 - Perform high/medium voltage switching operations.
- Field of experience** :
 - 15 years experience on power plants GT / ST / HRSG / WSC / BOP Mechanical / Process Commissioning Engineer / TFA.
 - Commissioning and start-up of GT, Siemens V94.3A, Alstom DKY223-2N41C 250MW steam turbine, generator and CMI HRSG (680 ton steam/hr).
 - Supervising construction, electrical, I&C, steam.
 - Commissioning of GT, Siemens SGT 8000H combined cycle 4800MW & GE 9E.
 - Commissioning / Installation of HRSG with CMI, Skoda, Doosan, NEM, NE & Alstom.
 - Commissioning of Alstom steam turbine, Generator & GE steam turbine, Generator & Siemens steam turbine & Toshiba ST.
 - Supervising I&C / Electrical / Erection team.
 - Hydro static test and air blowing and piping supervising.