

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 23 years' experience working in operation, commissioning and start-up at several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 03/06/1974
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 1999

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Performance test for gas turbine (Mark 4 simple).
: DCIS control.
: Up normal operations for steam turbine.
: Mark VI speed Tronic control.
: Bechtel training of operating the thermal power station.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2020 till Jun. 2023
Project : South Cairo Combined Cycle Power Plant:

- Combined cycle consists of Gas Turbine Frame 9001E (G.E).
- O/P (4x117.500MW) - 11.5KV controlled by Mark 4 S.T with steam turbine (G.E.) 56.388MW - 11.5KV controlled by Mark 5, and the two units connecting by DCIS control.

Job title : Shift Operation Engineer

Dates : From Jan. 2018 till Feb. 2020
Employer : [EGYPTROL](#), Al Toukhi Subcontractor
Project : Conversation of Hail-2 Simple Cycle to Combined Cycle Power Plant, KSA:

- 4x70MW gas turbine.
- 4 x (Amec foster wheeler Vertical Flue Gases) HRSGs (Hp & LP) Drums.
- One Siemens steam turbine (SST800) 160MW (Hp & Lp) and Air-Cooled Condenser.
- DCS Siemens SPPA-T3000.
- Medium voltage Switch Gear (4.16KV) and low voltage motor center (480V).
- STG STEP UP TRANSFORMER 15.75/360KV.
- BOP.

Job title : Commissioning, Start-up & Shift Charge Engineer

Dates : From Nov. 2014 till Jan. 2018
Project : PP 10 CC in Riyadh (3600MW) Power Plant:
 Combined Cycle consists of:

- 40 GT frame 7EA (56.5MW at Ambient temperature 50 °C), controlled by Mark 6 and worked by (Distillate or Heavy fuel).
- 40 HRSG model NEM with 10 Steam Turbines:
 - Each combined cycle consists of:
 - 4 GT GE frame 7E controlled by MARK 6E.
 - 4 HRSG NEM consists of HP section and LP section.
 - Max. Designed Steaming Capacity:
 - HP section capacity 113.654 kg/hr.
 - LP section capacity 23 ton/hr.
- 10 STG model GE steam turbine 110 BAR 2 stages HP 13 stages & LP 5 stages.
- 128MW at 280 mbar vacuum condenser.
- 10 Air-Cooled Generator BRUSH 162 MVA 3600 RPM 13.8KV.

Job title : Commissioning & Shift Lead Operation
Job Description :

- HRSG's commissioning: Hydrostatic test, Chemical cleaning, Steam line blowing and bypass operation.
- Steam turbine 1st Rolling to full speed no load, 1st synchronization, full load rejection, Reliability and performance test.
- Fuel oil, lube oil and water System flushing.
- Normal operation.
- BOP Mechanical commissioning (Hydro Test Heat run test, solo run test, vibration detecting, temperature detecting).

Dates : From Oct. 2013 till Oct. 2014
Project : Qassim Power Plant, KSA:
 BLOCK-C 10GE gas turbines frame 7EA controlling by Mark VI speed Tronic) in Saudi Electricity Company for P.P.9.
Job title : Commissioning & Shift Lead Operation

Dates : From Oct. 2011 till Oct. 2013
Project : Power Plant 9 - Riyadh, KSA

Job title : Electrical Warranty Engineer
Job Description :

- Responsible for warranty period of all plant.
- Write reports about status of the plant and send to my manager in head office.
- Receive any spare parts and hand over to client.
- Advise the client with proper operation methods.
- Coordinate between supplier and back office during repair the equipment in the site and send report to back office.
- Issue warranty claim and send it to supplier and follow it until fix.
- Attending warranty meeting with client and coordinate between client and back office.
- Fix the most of problem and close punch item.

Dates : From May 2008 till Oct. 2011
Project : Power Plant 9 - Riyadh, KSA:
BLOCK-C 10GE gas turbines frame 7EA controlling by Mark VI speed Tronic) in Saudi Electricity Company for P.P.9.

Job title : Commissioning & Shift Lead Operation

Dates : From Sep. 2002 till May 2008
Employer : CEPC
Project : South Cairo CCPP

- Combined cycle consists of Gas Turbine Frame 9001E (G.E).
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Job title : Shift Operation Engineer

Dates : From Sep. 2000 till Sep. 2002
Employer : Egypt Electrical Authority
Project : Marsa Matrouh Power Station O/P 124000 KW:

- The steam turbine consists of 5 stages with reheat steam with surface condenser with vertical boiler water tube.
- The station made by Mitsui Engineering – Shipbuilding Co. LTD. TAMANO JAPAN.

Job title : Operation Engineer

Further experiences :

Dates : From May 2006 till Nov. 2006
Project : El-Kureimat Power Station (during Peak up)
Job title : Shift Operation Engineer
Job Description : Responsible for:

- Three units GE gas Turbine (3x250MW) MS9001 FA controlled by Speedtronic Mark VI.
- Three units HRSGs Doosan Heavy Industries and Construction Co. Ltd. (Japanese) with capacity 3 x 350 t/hr unfired, 3 x 720 t/hr with duct burner at pressure 95 bar and temperature 562 °C.

- Two units auxiliary fired boiler (IHI) Ishikawajima-Harima Heavy Industries Co. Ltd. (Japanese) running on NG and diesel oil capacity 550 t/h steam pressure 91 bar and temperature 564 °C.