100978-ELE-OS-E-1988
Operation Shift Charge Engineer

Holds a B. Sc. in Electronics & Communications Engineering and has over 28 years hands-on experience, including 26 years working in operation, commissioning and start-up at Power Plants (combined cycle).

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	15/02/1964
Gender	:	Male
Marital Status	:	Married
Residence	:	Currently KSA

EDUCATION

: B. Sc. in Electronics & Communications Engineering, Helwan University, 1988

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Operation and maintenance training course on Gas Turbines 250MW, MITSUBISHI – TAKASAGO CITY – JAPAN (6 weeks).
: Combined cycle WDPF Westinghouse on electronic systems maintenance, Pennsylvania – USA (7 weeks).
: DCS Control System DCS Control System – Westinghouse, Pennsylvania – USA (2 weeks).
: BECHTEL: Thermal Power Plants Operation and Maintenance course, Shoubra El-Kheima Power Plant Training Center (6 months).
: Operation of steam and gas turbines, Cairo North Training Center (1 month).

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From Feb. 2013 till now
Employer	:	Saudi Electricity Company (SEC)
Project	:	Qurayyah Combined Cycle Power Plant (QCCPP), Dammam – KSA

Job title	:	Operation Shift Charge Engineer
Job Description	:	• 18 x 198000 KVA (GE FRAME 7FA DLN2.6) Gas Turbine power plant and their auxiliaries Speed Tronic Mark VI control system. • 6 x 335000 KVA GE Steam Turbine, HRSG DOSSAN - KOREA.
Dates	:	From May 2010 till Apr. 2012
Employer	:	INITEC
Project	:	El-Kureimat Power Plant
Job title	:	Shift Charge Engineer
Job Description	:	• Responsible for operating two GAS TURBINES 2x250MW GE MARK VI and STEAM TURBINE 250MW ALSTOM. • Prepare work orders and daily operation report for generating units.
Dates	:	From Oct. 2009 till Apr. 2010
Employer	:	INITEC – ALSTOM
Project	:	El-Kureimat Combined Cycle Power Plant 750MW (2x250MW) (Gas turbine GE Mark VI and STG 1x250MW ALSTOM)
Job Description	:	• Responsible for receiving, erection, inspection, commissioning and initial start-up of STG and Auxiliaries INITEC-ALSTOM consortium in El-Kureimat site. • Preparing technical reports about erection, commissioning and start-up for all equipments such as pumps, motors, valves, etc.). • Following up the procedure of chemical cleaning, steam blow, steam by-pass operation, first synchronization, reliability run and performance tests.
Dates	:	From Apr. 2009 till Nov. 2009
Employer	:	PGESCO
Project	:	Sidi Krir Power Station
Job title	:	Consultant Senior Electrical Start-up Engineer
Job Description	:	• Responsible as PGESCO Representative for commissioning all electrical works in SIDI KRIR site. • Generator (2x350 MVA, 21KV, 0.85 lag P.F, Y-connected, H2 cooled). • Generator Circuit breaker (21KV). • Generator step up transformer (21/ 500KV, OFF- L T C). • Unit auxiliary transformer (21/6.3/6.3KV, ON- L T C). • 6.3KV MV Switchgear and 400V LV Switchgear. • Generator control panel, Protection relay panel. • Excitation system.
Dates	:	From Jun. 2006 till Mar. 2009
Employer	:	PGESCO
Project	:	New Talkha Combined Cycle Project (2x250MW GT + HRSG + STG 250MW)
Job title	:	Consultant Start-up Supervisor
Job Description	:	• Gas Turbine from SIEMENS (GERMANY). • Heat Recovery Steam Generator from CMI (BELGIUM). • Steam Turbine from ALSTOM (GERMANY).

- DCS from EMERSON (USA).
- Prepare work orders and daily operation report for generating units.

Dates : From Jan. 2006 till May 2006
Employer : Oman Electricity Production Company, Muscut – OMAN
Job title : Shift Charge Engineer
Job Description :
- Operation of two combined cycle (110MW gas turbine, 60MW steam turbine – Mark IV, Mark V).
- Operation of two desalination plant 2x6 MG/min. and their auxiliaries.
- Operation of water treatment unit that's used to provide DEMI water for the plant operation.
- Operation of two boilers which feed the desalination plant.

Dates : From Jun. 2003 till Jan. 2006
Employer : Cairo Electricity Production Company
Project : Cairo North Power Station Combined Cycle (750MW)
(2x250MW GT + HRSG + 250MW STG)
Job title : Senior Operation Shift Engineer
Job Description :
- Manage and supervise all activities related to commissioning and start-up of 750MW gas units (2x250MW, Mitsubishi) and two heat recovery steam generators (NEM Holland) and steam turbine (250MW Hitachi, Japan) – Control system DIA Netmation for gas turbine.
- Prepare (weekly / monthly) reports and calculating the efficiency of GAS TURBINE according to BRAYTON cycle theory and efficiency formula and calculating the efficiency of steam turbine.

Dates : From Apr. 1994 till Jun. 2003
Project : Cairo South Power Station
Job title : Operation Shift Engineer
Job Description :
- Operation of combined cycle 1x170MW (gas turbine 110MW GE (frame 9, Mark IV, GE, USA + Heat Recovery Steam Generator (VOGT) and steam turbine (60MW, GE, Mark V).
- Prepare (daily / weekly / monthly) reports and calculating the efficiency of GAS TURBINE according to ideal BRAYTON cycle.

Dates : From Jan. 1992 till Apr. 1994
Project : Cairo South Power Station
Job title : Operation Shift Engineer
Job Description :
- Responsible for receiving, erection, inspection, commissioning and initial start-up of GT and Auxiliaries GE, 110MW.
- Operation of 3 gas turbines simple cycle 3x110MW GE Frame 9 Mark IV.
- Prepare (weekly / monthly) reports and calculating the efficiency of GAS TURBINE according to ideal BRAYTON cycle theory and efficiency formula.

Dates : From Apr. 1989 till Oct. 1991
Employer : Egyptian Armed Forces
Job Description : Repair and maintenance of electronics equipment of ROCKET department.

Field of experience:

- Broad experience in the operation of power plants (combined cycle):
  - Responsible for monitoring and controlling combined cycle power plant generating units & associated auxiliary equipment.
  - Diagnose and resolve day-to-day operational problems and handle all type of operation emergencies.
  - Perform high/medium voltage switching operations.
  - Prepare work orders and daily operation report for generating units.
- Key Skills:
  - Preparation of operation procedures.
  - Provide solutions for troubles that arise from bad or unwise operational actions.
  - Commissioning and start-up of combined power plants and gas turbine.