101030-MEC-OS-E-2003
Mechanical Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 9 years hands-on experience in operation, commissioning and start-up of several Power Plants.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	06/08/1980
Marital Status	:	Married

EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 2003

LANGUAGES

Arabic	:	Native Language
English	:	Fluent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2D, 3D

TRAINING COURSES AND CERTIFICATIONS

: Advanced Course in Power Plant.
: Advanced Course in Turbo Machines.
: Advanced Course in Fluid Mechanics.
: Advanced Course in Pipelines.
: Gas Turbine (MS-9001FA) and combined cycle Operation & Maintenance training course.
: Training in HRSG (Heat Recover Steam Generator) for the HRSG start-up and shut down.
: Operation training ALSTOM Steam Turbine Generator & auxiliaries at Cairo North Power Plant 750MW.
: Bechtel training course at basics and site specifics, constituting a program of concentrated study of power plant equipment and system theory and application.
: Power Plant Training Center (PPTC) in operation of combined cycle power plant.
: GE Energy Learning Center in gas turbine – generator operation on the job training.

CHRONOLOGICAL EXPERIENCE RECORD

Project : Cairo North Power Plant
Job title : Operation Engineer

Employer : Bemco
Project : Riyhad Power Plant no. 10 (PP10)
Job Description : Mechanical Maintenance Engineer of gas turbine MS-7001EA capacity of 85MW and all rotating equipment.

Dates : From 2008 till Feb. 2010
Employer : Arabian Bemco Contracting Co.
Project : Quryyah Combined Cycle Power Plant
Job title : Start-up & Operation Engineer
Job Description :

- Dealing with GE (General Electric) for construction, commissioning and start-up of 15 gas turbines MS-7001FA capacity of 150MW.
- Taking responsibility for the Health and Safety of staff and contractors during the 12-hour shift and associated environmental impacts.
- Capable of performing all control room operating functions and roving field duties.
- During the shift manage and monitor the plant and operating personnel and take necessary actions to ensure operation within all dispatch parameters and in accordance with the provisions of the O&M contract agreement under supervision of the Shift Team Leader.
- Maintain an electronic log of all significant events during the shift and to interpret and analyze sequence events, process trends, alarms and trips.
- Confirm adequacy of training provision and competency limits for operational staff and establishes criteria for refresher on-job training in the power plant and safety systems.
- Utilizing the Maintenance Management System for recording activities or defects.
- Advise the maintenance department of any dysfunctional equipment or operating parameters at variance with normal levels.
- During power train outages revert to day shift working to provide assistance to Maintenance Department as directed by the Operation Manager.
- Capable of performing all electrical maneuvers under coordination of the National Dispatching Center instructions.
- 15x150MW General Electric MS-7001FA Gas Turbine control Mark VIb by GE Co.
- All auxiliaries systems (service air system, instrument air system, fire system, service water system, closed cooling water system).
- MV/LV 4.16KV high voltage plant equipments and 480V switchgear for low voltage equipments.

Dates : From 2006 till 2008
Project : Cairo North Power Plant
Job title : Shift Engineer

Job Description :

- Attended all construction, commissioning and start-up of plant.
- Operation Engineer at Cairo North Power Plant 750MW Combined Cycle with two gas turbines General Electric (MS-9001FA) 250MW and two HRSG by NEM Co. to drive ALSTOM steam turbine 250MW.
- 2x250MW General Electric MS-9001FA Gas Turbine control Mark VI by GE Co. combined with 2 Heat Recovery Steam Generator (HRSG) manufactured by Dutch NEM.
- 1x250MW ALSTOM steam turbine.
- BOP under DCS controller (Mark VI General Electric control).
- The fuel systems (gas fuel system and oil fuel system).
- All auxiliaries systems (service air system, instrument air system, fire system, service water system, closed cooling water system).
- High voltage switchgear 220KV.
- 6.3KV switchgear for high voltage plant equipments and 400V switchgear for low voltage equipments.

Dates : From 2003 till 2006

Job title : Operation & Start-up Engineer