

Holds a B. Sc. in Mechanical Engineering and a Diploma of pipe lines, pumps and turbines design. Has over 13 years hands-on experience in fossil power generating stations (steam power plant). Assist in all activities which required supervision coordination and follow up, review and comment on all mechanical constructions documents and drawing. Monitor and report any mechanical defect/deficiency in the plant. Knowledge of operation / commissioning related to thermal power plant with steam turbine. Attend site mechanical commissioning. Assist in reviewing start-up schedules submitted by contractors.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 03/05/1975
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Mechanical Engineering, Cairo University, 1999
: Diploma of pipe lines, pumps and turbines design, Cairo University, 2002

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Study basic and site-specific training courses constituting a program of concentration study of power plant equipment systems theory and application, Fossil Consulting Services Inc. site training, Apr. 2001.
: Steam turbine fundamental, speedtronic Mark V and control system technicians, GE Site Training EI-Kureimat 2x650MW, May 2001.
: Software user course DCS operation, Westinghouse WDPF Site Training, May 2001.
: Operation course GE 627MW turbine tandem compound, Boiler Babcock and Wilcox ELPASO boiler, Consulting Raytheon Ebasco Site Training EI-Kureimat 2x650MW, one month (Mar. 2001).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2013 till now
- Employer** : [EGYPTROL](#) – Commissioning Subcontractor for SAMSUNG C&T
- Project** : Qurayyah Independent Power Project (6x750MW) – Combined Cycle
- Job title** : Commissioning Process Engineer
- Job Description** :
- Review all systems P&IDs to identify process precautions to be considered during pre-commissioning, commissioning and operation phases.
 - Identify inspection instructions, testing and performance measurements procedures for all plant systems and equipment.
 - Work closely with the commissioning, operation and maintenance teams to evaluate all operation / maintenance issues and recommend resolutions.
 - Evaluate internal defects and downtime information to form appropriate plans of improvement.
 - Assist in operation activities (changeovers, equipment breakdown resolution) that arise from or are causing operation interruptions, reduction in reliability or availability.
 - Provide training to operation team for safe and efficient operation.
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- Dates** : From Dec. 2011 till May 2013
- Employer** : [EGYPTROL](#) – Commissioning Subcontractor for ANSALDO CALDAIE S.P.A.
- Project** : Abu Qir Thermal Power Plant (2x650MW):
- ANSALDO 2067 T/Hr SH flow, 1729 T/Hr RH flow, front & rear burners low NO_x burner TEA-BA dual fired (N.G./HFO) drum type, natural water circulation, reheat boiler with 2 x 50% FD/GR fans, air heater, Soot blowers, CEMS, etc.
 - MITSUBISHI STG with HP, IP and LP cylinders, H2 cooled Generator and see water cooled Condenser with HP, LP Steam Bypass systems.
 - BOP including 8 Stage regenerator feed water heaters, Circulating water, 2x 50% TFWP and 1x 30% MFWP for start-up, Closed cooling water, Compressed air, EDG, Fuel handling, Ball cleaning and H2 production systems.
- Job title** : Shift Charge / Commissioning Engineer
- Job Description** : Perform all activities related to operation and commissioning of boiler.
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- Dates** : From Jun. 2009 till Jul. 2011
- Employer** : Saudi Electricity Company
- Project** : Ghazlan #2 Thermal Power Plant 4x680MW:
Each unit consists of:
- MHI 680MW turbine tandem compound: reheat unit with four flows, low pressure Stages DCIS control system. HP/LP by pass system.
 - MHI boiler: Forced draft/forced circulation, tilting burner, corner furnace, radiant reheat type Using either gas or Oil fired. DCIS control system.
- Job title** : Assistant Shift Supervisor

Job Description :

- Responsible to all station emergencies such as black out, load rejection, frequency disturbance and fire.
- Responsible to direct and supervise the operational activities related to 2700MW steam power plant provided with latest information of:
 - MHI 680MW turbine tandem compound: reheat unit with four flows, low pressure Stages DCIS control system. HP/LP by pass system.
 - MHI boiler. Forced draft/forced circulation, tilting burner, corner furnace, radiant reheat type using either gas or Oil fired. DCIS control system.
- Perform the following after major shutdown:
 - Lube oil system flushing.
 - Seal oil system flushing.
 - Generator purge by Co2-air-H2.
 - Heat rate test.
 - Turbine over speed test.
 - Turbine steam valves tightness test.
 - Boiler hydro test.
 - Water consumption test.
 - Deal with electrical system 380/13.8/4.16KV and 480V.

Dates : From Aug. 2007 till Jun. 2009

Project : EI-Kureimat 2x650MW Thermal Power Plant:
Each unit consists of: GE 627MW turbine tandem compound: reheat unit with four flows, low pressure stages speedtronic Mark V control system.

Job title : Assistant Shift Charge Operator

Job Description :

- Responsible to direct and supervise the operational activities related to 1300MW steam power plant provided with latest information and control technologies.
- Core duties involve reliable and efficient power generation, supervision and direction of shift staff, supervision of computerized work permit system, coordination of maintenance activities, produce incident and generation reports, provide technical expertise in equipment and procedure modifications and provide leadership in emergency.

Dates : From Aug. 2005 till Aug. 2007

Employer : Upper Egypt Electricity Production Company

Project : EI-Kureimat Power Plant 2x650MW:
Each unit consists of:

- GE 627MW turbine tandem compound: reheat unit with four flows, low pressure Stages speedtronic Mark V control system and fisher HP/LP by pass system.
- Boiler Babcock and Wilcox ELPASO boiler: Forced draft/natural circulation using either gas or oil fired or combination. Howden fans.
 - Westinghouse WDPF II DCS.
 - Substation: 500/220/11KV Mitsubishi Electric.
 - Auxiliary boiler FM boiler.
 - Lurgi Bamag water treatment.
 - Ingersoll Dresser pumps and Ingersoll Rand air compressors.

Job title : Control Room Operator

Job Description :

- Operation of power generation unit to ensure reliable and efficient power generation.
- Performing the unit start-up and shut downs assigned targets.
- Troubleshooting.
- Effective response to emergency conditions and appliance to safety procedure supervisory duties require supervision.
- Training and direction to field operators performing their jobs.

Dates : From Sep. 2003 till Jul. 2005

Employer : Egyptian Operation & Maintenance Power Company (OMPC) – PEGASCO

Project : El-Kureimat Power Plant 2x650MW

Job title : Field Operator

Job Description :

- Responsible Field Operator.
- Supervise all plant activities.
- Train operators of the proper care of equipments.
- Line up all system locally.
- Preparation of all equipments for starting.
- Safe shutdown.

Dates : From Feb. 2001 till Aug. 2003

Employer : Upper Egypt Electricity Production Company

Project : El-Kureimat Power Plant 2x650MW

Job title : Mechanical Maintenance Engineer

Job Description :

- Responsible for routine, preventive maintenance of unit aux. (pumps, heat exchanger etc.).
- Experience in troubleshooting equipment and select corrective action.