

Holds a B. Sc. in Mechanical Power Engineering and has over 11 years of experience in the field of Operation & Maintenance of Rotating & Static Equipment in Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 03/07/1989
Gender : Male
Marital Status : Married
Residence : Suez

EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 2011

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Solid Edge
: Photoshop

TRAINING COURSES AND CERTIFICATIONS

: Fire Fighting course & industrial safety (from Egyptian Civil Defense).
: Start Professional - includes (Time Management, team building, Presentation Skills and Personal Effectiveness).
: Training course in maintenance and installation of valves.
: Training course in environmental measuring devices and pollution control methods.
: Training course in protective devices, control and measuring devices.
: Training course in water treatment.
: Training course in Quality, ISO, Six Sigma.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2019 till now
- Project** : Ain Sokhna Thermal Power Plant
- Job title** : Shift Charge Engineer
- Job Description** :
- Supervise / Lead the team of (4 Engineer, 4 technician & 3 Field operator).
 - Operation of 2x650MW Steam thermal power gas & mazout fired station to be connected to the National Unified Power system (NUPS) through the new 500KV & 220KV GIS switchyard facility.
 - Aware of several systems (ABB, YOCOGAWA, WOODWARD, HITACHI).
 - Operation of start-up test such as house load, load rejection, runback at variable loads and heat run and solo test for driving motors and vibration measurements.
 - Supervise the activities and work of the team members to ensure that production targets and objectives are achieved and the operational plan is delivered in line with the required policies, processes, procedures and systems.
 - Supervise the day to day activities of shift operators and manage all plant operating activities (for e.g. interlock checks on start-ups, Shutdowns, emergencies, equipment change over, protection tests, non-routine activities like preservation, acid cleaning etc.) ensuring they are executed in a safe and efficient manner so that the operational area meets required targets.
 - Have a complete understanding of the permit to work system applied to the plant and issue and cancel permits to work as per authorization.
 - Normalize the equipment after release and perform necessary testing to check the equipment or system after maintenance.
 - Organize and plan the activities in such a way that work is carried out to the required standard with minimum risk to personnel, machine and materials.
 - Coordinate with all other departments for activities that are related to plant operations during the shift and ensure their timely execution as per the plan.
 - Address issues escalated from operators and provide timely resolutions, where possible, to achieve continuous operations.
 - Ensure regular inspections are conducted during the shift to identify abnormalities, potential hazards or unsafe conditions, and take appropriate actions within the established guidelines to correct the same.
 - Act as the issuing authority, preparing permits to ensure all the work execution requirements are in place so that work can be carried out safely.
 - Maintenance Support.
 - Oversee and manage the commissioning and start-up activities in the shift in accordance with the approved operating procedures.
 - Coordinate with Maintenance team during the shift and ensure that any minor / major activities are planned and completed in a safe manner, as per the established plan.
 - Ensure plant operational status is communicated both verbally and in writing at all shift change- overs, and that all documentation for the plant

activities including the log book and status reports are completed accurately.

- Dates** : From 2016 till 2019
- Project** : Ain Sokhna Thermal Power Plant
- Job title** : Control Room Operator
- Job Description** :
- Responsible for the shift-to-shift safe operations, production performance, and environmental performance of the power generation facility from the Control Room.
 - Implement weekly, Monthly and yearly periodical tests to achieve and ensure plant availability.
 - Responsible for safe start up and shutdown of the power generation facility in accordance with equipment vendor recommendations and guidelines, both in normal and emergency situations.
 - Ensure performance monitoring is carried out and plant performance is optimized.
 - Co-ordinate safety with regards to shift work activities, release of plant equipment for maintenance.
 - Implement the On-job training for the new promoted engineer to ensure good deal with DCS and safe unit operation in both normal and emergencies situation.
 - Document plant performance with shift logs, operational logs, defect reporting, fault reporting and writing, revision and review of operational procedures.
 - Co-ordinate Field Engineers activities in conjunction with smooth and safe operations of the power generation facility.
 - Deal with and implement electrical isolation for medium and low voltage switchgear.
 - Review Field Engineers log sheets to ensure that plant equipment is operating in compliance with vendor recommendations and guide lines, and ensure corrective actions is taken on non-compliance items - Training of staff on Control Room operations.
 - Perform other work as directed by the Shift Supervisor.
 - PTW Coordinator and yearly maintenance overall outage Co-pilot.

- Dates** : From 2014 till 2016
- Project** : Ain Sokhna Power Plant
- Job title** : Field Operator
- Job Description** :
- Follow the instructions of the Shift Supervisor and CCR Operator.
 - Operation of auxiliary boiler with capacity 50 t/h.
 - Operation of hydrogen unit with capacity 12 m³/h.
 - Coordinate with the Shift Supervisor and with other Operators in regard to all activities that affect them. Monitor all parameters and enter periodic readings on log sheets. Summarize all activities/events that took place during his shift in the log book.
 - Inspect the area and auxiliaries during the shift to make sure that all equipment parameters are within limits. Report abnormalities to the CCR Operator and Shift Supervisor.
 - Perform equipment change over according to preset schedules. Raise work requests or defect notes for faulty equipment.

- Coordinate with Shift supervisor for isolating and lining up the equipment and system before and after maintenance. Maintain a tidy work area and ensure clean up after maintenance work.
- Assist in the training and familiarization of new local desalination operators.
- Follow standard procedures.
- Report deviations in Quality, Health and safety management system.
- Report emergencies and near misses.
- Ensure proper waste disposal measures.
- Perform other duties as assigned.
- Position and configure plant equipment such as: opening and closing of valves, starting/stopping of pumps and compressors, visual inspections of the combustion process, operation of the crane system, orderly storage of materials, checking and maintaining fluid levels and gases for proper operation.
- Lubricate and operate pumps, motors and auxiliary equipment.
- Clean or replace water filters, air filters and oil filters.
- Report any unusual or unsafe condition to the Shift Charge Engineer.

- Dates** : From Nov. 2012 till 2014
- Project** : Ataka Power Plant, Suez
- Job title** : Field Operator
- Job Description** :
- I worked as Field Engineer for boiler and steam turbine using a DCS control system. Work in commissioning and operation in sub-critical boiler power plant.
 - Operation of 4 unit (2x150 – 2x350MW) steam thermal power gas & mazout fired station. Responsible for safely operate sub-critical boiler, turbine, auxiliaries, and a small gas turbine unit. Very good background of P&ID, logic diagram, function description and operation philosophy.
 - Operate all machinery in accordance with safe engineering practices to ensure safety of personnel and equipment.
 - Monitor process flows, chemical balance and temperatures and maintain them in the desired range.
 - Take corrective action as required when these tests are out of parameter.
 - Operate all machinery in accordance with safe engineering practices to ensure safety of personnel and equipment.
 - Monitor process flows, chemical balance and temperatures and maintain them in the desired range.
- Field of experience** :
- Over 11 years of experience in the field of Operation & Maintenance of Rotating & Static Equipment in Power Plants with following summary:
 - Shift Charge Engineer - Ain Sokhna Thermal Power Plant - Ain Sokhna - Egypt (present).
 - Control Room Operator - Ain Sokhna Power Plant - Suez (2016-2019).
 - Field Operator - Ain Sokhna Power Plant - Ain Sokhna (2014-2016).
 - Field Operator - Ataka Power Plant - Suez - Egypt (2012-2014).
 - Skills: Power Plants · Power Generation · Steam · Steam Turbines · Steam Boilers · Steam Systems · Steam Generators · Oil & Gas ·

Gas Turbines · Generators · Diesel Generators · Emergency Generators
· Utilities · Electric Utility · Power Utilities · Utility Construction · Water
Treatment · Water Quality · Water Pumps · Rotating Equipment · Static
Equipment · Hydraulic Systems · Hydraulic Pumps · Compressed Air ·
switch gear · Distributed Control System (DCS) · Human Machine
Interface · ABB · YOCOAWA · HMI · Piping and Instrumentation
Drawing (P&ID) · valves · Butterfly Valves · Heart Valves · Ball Valves ·
Control Valves · Solenoid Valves · gas insulation system (GIS).

- Hard Skills: Engineering, Project Management, Planning & Scheduling,
Technical Specifications, Supply Chain Management, Strategic
Sourcing, Supplier Quality, Data & Cost Analysis, Cost Reduction,
Purchase Order, BOM, Logistics, Negotiation.