

Holds a B. Sc. in Mechanical Engineering and has over 11 years' experience working in operation at Nubaria Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 13/10/1987
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2011

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: At Middle Delta Electricity Production, Nubaria Power Station, Egypt:

- Operation Training on SIEMENS CTG V94.3A.
- Operation Training on ALSTOM Heat Recovery Steam Generator.
- Operation Training on MITSUBISHI Steam Turbine Generator.

: Training on steam & gas and combined units, West Delta Electricity Production Co., Damanhour sector power plants, Egypt.
: ICDL course.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2012 till now
Employer : Middle Delta Electricity Production Co.
Project : Nubaria Power Station (2x750MW), Egypt
(SIEMENS CTG, MITSUBISHI STG, ALSTOM HRSG)
Job title : Power Station & Combined Cycle Engineer

- Job Description** :
- **Gas Turbine Operation Engineer:**
 - Responsible for the safe and efficient operation of the gas turbine equipment and the entire generating unit. This includes fuel gas and fuel oil system, lube oil system, hydraulic system, compressor wash, closed cooling system, air intake system, pneumatic system, fire-fighting system (co2) and pcc.
 - **Major Inspection Experience (Mar. 2023):** Participate in major inspection for Siemens gas turbine V94.3A (250MW), I worked with Siemens group of that inspection:
 - Assembly and disassembly all gas turbine parts.
 - Chemical cleaning for burners.
 - Changing of ceramic tiles& damage ceramic heat shield of combustion chamber.
 - Visual inspection of compressor blades.
 - Check the axial & radial clearance for blades.
 - Removing the outer casing in the turbine section (Casing 3).
 - Removing the casing of combustion chamber (Casing 2).
 - Removing the compressor casings (casing 1, 2 comp).
 - Lifting off upper sections of the turbine stationary blades carrier.
 - Lifting off lower section of the turbine stationary blades carrier.
 - Removing old blades/vans for refurbishment /replacement for all turbine & compressor.
 - Lifting the rotor form horizontal position to vertical one.
 - Make NDT for all critical places (as slots of the blades of the compressor & turbine disks).
 - Make alignment between the gas turbine & and generator shaft.
 - Make oil flushing.
 - Removing and inspection fuel oil and fuel gas stop and control valves and make passing test for all valves.
 - Removing hydraulic oil pumps and makes inspection of internal parts and reassembly again.
 - Removing Compressor Diaphragms.
 - Participate in Grinding Compressor New Blades in case of measurements out of required.
 - **Steam Turbine Operation Engineer:**
 - Responsible for the safe and efficient operation of the steam turbine equipment and the entire generating unit. This includes the lube oil system, seal oil system, gland steam condenser system, condenser vacuum system, condensate water pumps and circulating water system.
 - **Heat Recovery Steam Generator (HRSG) Operation Engineer:**
 - Responsible for the safe and efficient operation of the HRSG equipment. This includes the HP/IP feed water pumps, LP feed water pumps, Demi water pumps, preheat recirculation pumps, and pump house (Raw water pumps, service water pumps, back wash water pumps, circulating water pumps, jockey pumps).
 - **For all jobs I am responsible for:**
 - Monitoring the plant operations to ensure that everything working okay.
 - Accurately following procedures, recording data, create required reports and provide timely feedback to the shift supervisor.
 - Perform troubleshooting and documentation and assists in the resolution of problems discovered during the shift.

- Effectively communicate with field personal to coordinate the starting, stopping, and changing of plant operation conditions.
- Give a job-training to Engineers and Technicians about the components of power plant and how to construct and operate the combined cycles (gas turbine - HRSG - steam turbine).