

Holds B. Sc. and M. Sc. in Communications & Electronics Engineering and has about 11 years' experience in Gas Turbines, Power Generation and Oil & Gas.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 14/08/1988
Gender : Male
Marital Status : Married
Residence : Damietta

EDUCATION

: B. Sc. in Communications & Electronics Engineering, Alexandria University, 2010
: M. Sc. in Communications & Electronics Engineering, Mansoura University, 2021

LANGUAGES

Arabic : Native Language
English : Excellent
French : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: RSLogix5000 PLC Programming
: C Programming
: MATLAB Programming
: Micro-controller programming

TRAINING COURSES AND CERTIFICATIONS

: Electrical / Instrumentation Installation in hazard area and EX Equipment (Feb. 2020).
: Maintenance Management (Dec. 2019).
: Vibration Measurement and Analysis (Apr. 2019).
: Advanced Process Control (Feb. 2019).
: Allen Bradley ControlLogix Fundamentals, Maintenance & Troubleshooting (Dec. 2018).
: GMS Global Maintenance System CMMS (Aug. 2017).

- : ATEC: Motorized Control Valves Training (Apr. 2015).
- : HYUNDAI: Operation of 245KV GIS (Aug./Sep. 2012).
- : Schneider: Protection Classroom Training (Jul. 2012).
- : GE: EX2100 Excitation System Maintenance (Jun. 2012).
- : GE: Gas Turbine Generator Operation (May 2012).
- : GE: Mark VIe Gas Turbine Control Maintenance (May 2012).
- : KHARAFI NATIONAL: Air Compressor Training (Mar. 2012).
- : KHARAFI NATIONAL: Pumps Training Program (Mar. 2012).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2015 till now
- Employer** : QPC (Qarun Petroleum Company) Apache joint venture
- Project** : East Baharia Fields Power Plant – 6x4.6MW Gas Turbine (Solar Centaur 50) Dual Fuel
- Job titles** :
 - Turbines Section Head (2021 – now)
 - Senior Turbines Engineer (2018 – 2021)
 - First Turbines Engineer (2015 – 2018)
- Job Description** :
 - Lead Plant Operations and Maintenance in alignment with Safety, Environmental and Conduct of Operations policies.
 - Actively support and emphasize importance of safety and ensure regulatory compliance.
 - Promote productivity and teamwork in Operations with open communication, timely decision-making, and use of personal leadership skills to set high standards of performance while providing the direction necessary to achieve that performance.
 - Provide leadership in the lock out/tag out program in order to promote safe operations and maintenance.
 - Monitor plant and unit performance, conduct root cause analysis, and lead investigations to develop and implement corrective actions.
 - Set maintenance priorities and schedule maintenance for the plant.
 - Coordinate unit load scheduling, testing, status, outage plans and acts as primary interface with Commercial Operations for reporting unit status and capabilities.
 - Ensure proper training is being provided to Plant Operators.
 - Perform field inspections of job sites and work or operational evolutions in progress.
 - Recognize problems and is proactive in helping to resolve it.
 - Assist in coordinating emergency response efforts (i.e. winter and summer readiness, freeze protection, etc.).
 - Provide regular feedback to employees on their performance to allow them to capitalize on their strength and focus on opportunities for improvement.
 - Develop, implement and revise operational policies and procedures to improve plant performance and ensure consistent operations between crews.
 - Fulfill the responsibilities of the Plant Manager position in their absence.
 - Achievements: Supervised and successfully conducted GT #6 Engine exchange overhaul in East Baharia Power Plant during COVID-19

pandemic with only two technicians, one engineer and no OEM technical advisor.

Dates : From Dec. 2013 till Aug. 2015
Employer : EDEPC (East Delta Electricity Production Company)
Project : West Damietta Power Plant (1000MW) – 8x125MW Gas Turbine (GE frame 9E) Dual Fuel
Job title : I&C Maintenance Engineer
Job Description :

- Executing scheduled preventive maintenance.
- Carrying out corrective maintenance issues.
- Providing on-call support when required.
- Ensuring consistent operation of the gas turbine control system.
- Troubleshooting of control system and control devices faults and upsets.
- From Mar. 2014 till Dec. 2014: Participated in the combustion system upgrade of four gas turbines from standard to DLN (Dry Low NOx) process. including:
 - Following up the commissioning of new system equipment.
 - Assisting the modification of the control system software "Mark VIe".
 - Calibrating new instrumentation devices.
 - Performing I&C devices loop check and function test.
 - Fuel valves calibration using GE Mark VIe toolbox application.
 - Troubleshooting the 1st start I&C problems.
 - Performing the gas turbine 1st start tests.
 - Assisting the DLN system tuning process.

Dates : From Dec. 2011 till Dec. 2013
Employer : EDEPC (East Delta Electricity Production Company)
Project : West Damietta Power Plant (1000MW) – 8x125MW Gas Turbine (GE frame 9E) Dual Fuel
Job title : DCS Shift Assistant Engineer
Job Description : Assisting and deputizing the shift engineer in managing the operation team to complete the power plant tasks including:

- Executing routine check on field equipment.
- Carrying out starting and shutdown sequences.
- Ensuring safe operation of the gas turbine and its auxiliaries.
- Rapid intervention in case a problem occurs.
- Ensuring safety conditions before Maintenance.
- Assisting Maintenance staff as required.
- Operation of the following auxiliaries:
 - Gas Insulated Switchgear 220KV:
 - Firefighting systems including (Co2, Deluge, FM200).
 - Two MTU Emergency diesel generators.
 - METSO DCS system.
 - 220KV/15KV, 15KV/6.6KV, 6.6KV/400V transformers.
 - Battery system and battery chargers.
 - RO & Demineralized Water treatment system.

Field of experience :

- In depth experience in the following control systems:
 - GE Mark VIe.

- Allen Bradley ControlLogix.
- Solar's Turbotronic TT4000.
- Familiar with power plant facilities and auxiliary systems like:
 - Allen Bradley PLC.
 - Gas Insulated Switchgear 220KV.
 - Different Firefighting systems including (Co2, Deluge, FM200).
 - Emergency diesel generators.
 - 220KV/15KV, 15KV/6.6KV, 6.6KV/400V transformers.
 - RO & Demineralized Water treatment system.
 - Gas Fuel Conditioning systems.