

Holds a B. Sc. in Mechanical Power Engineering and has over 14 years hands-on experience working in construction, commissioning, start-up and operation of power & solar plants, oil & gas, including gas and steam turbines, boilers, desalination plants MSF and SWRO and auxiliaries.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/06/1985
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Mechanical Power Engineering, Helwan University, 2008

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : General Electric Company (GE):
 - Gas Turbine-Generator Operation Training "MS6001FA".
 - Gas Turbine-Generator Maintenance Training "MS6001FA".
 - Gas Turbine-Generator "Mark VI" Control System Training.
 - Generator Excitation, Static Frequency control and Generator Protection Training.
- : Siemens Industrial Turbo Machinery: Steam Turbine "SST-900" Basic Training.
- : IBERDROLA INGENIERÍA Y CONSTRUCCIÓN, S.A.U. (Spain):
 - General Concept of a Combined Cycle.
 - Power Plant Mechanical systems (18 systems).
- : NEM Steam Generation "HRSG": HRSG, HTFs and Feed Water System.
- : Torishima Pumps (Japan):
 - Circulating Pump.

- Condensate Pump.
 - Feed water Pump.
- : Attend the solar training in site from FLAGSOL.
- : Under graduation practical trainings:
- AutoCAD 2D, Cairo University (2 weeks).
 - Training at Badr EI-Din Petroleum Company (PAPETCO), Western Desert, in all the workshops available on the site (2 weeks).
 - English Language course, British Language Council (DUBAI) (45 hrs).
 - PLC principles, Electro Hydraulic Automation (12 hours).
 - Maintenance of automotives, Gabor Company (2 weeks).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2022 till now

Employer : ABENGOA-LANTANIA

Project : JUBAIL3 IWP (600,000m3/day) – KSA

Job title : Shift Charge Engineer

Job Description :

- Carry out commissioning and operation activities, tests, start-up, shutdown, and emergency operation of the plant SWRO, DMPF, CF, SWP, ...etc.
- Carry out, Monitor, record and maintain operating. Parameters/activities to control and achieve reliable and efficient operations.
- Coordinate between field operators for the proper isolation of equipment, preparation, placing of safety tags normalizing the equipment under commissioning.
- Reporting abnormalities and defects to supervisors & take correct action.
- Issuing of PTW & proper mechanical, instrumental and electrical isolation / normalizing of Equipment during start-up, shutdown and all commissioning tests.

Dates : From Jan. 2022 till Apr. 2022

Employer : GFC Oil & Gas Services

Project : SABIC – IBN ZAHR Site – Jubail – KSA
(Gas Turbine inspection (MI & CI), PM & Corrective activities MS 5002 - 220- T-01A/B Major & Combustion Inspection)

Job title : Site Coordinator

Job Description :

- Site Coordinator for outage and turnaround work MI and CI for the Gas Turbine MS 5002.
- Follow the outage plan prepared by Baker Hughes TA.
- Coordinate all the site logistics required between BH and IBN ZAHR.

Dates : From Mar. 2021 till Jan. 2022

Employer : SIDEM-VEOLIA

Project : RABIGH3 IWP (600,000m3/day) – KSA

Job title : Shift Charge Engineer

Job Description :

- Carry out commissioning and operation activities, tests, start-up, shutdown, and emergency operation of the plant SWRO, DMPF, CF,

SWP, ...etc.

- Carry out, Monitor, record and maintain operating. Parameters/activities to control and achieve reliable and efficient operations.
- Coordinate between field operators for the proper isolation of equipment, preparation, placing of safety tags normalizing the equipment under commissioning.
- Reporting abnormalities and defects to supervisors & take correct action.
- Issuing of PTW & proper mechanical, instrumental and electrical isolation / normalizing of Equipment during start-up, shutdown and all commissioning tests.

Dates : From Jan. 2021 till Mar. 2021
Employer : GFC Oil & Gas Services
Project : BAHRAIN National Gas Company - BANAGAS – Gas turbine model MS3142 Modular Replacement MS3002J
Job title : Site Coordinator
Job Description :

- Site Coordinator for the outage work to dismantle the Gas Turbine and assembly the new Gas Turbine.
- Follow the outage plan prepared by Baker Hughes TA.
- Coordinate all the site logistics required between BH and BANAGAS.

Dates : From Mar. 2019 till Mar. 2020
Employer : General Electric (GE)
Project : Waad Al Shamal WAS - Saudi Arabia - Integrated Solar Combined Cycle Power Plant ISCCPP - 1270MW (4 GT x 210 MW GE 7F.05 Mark VIe, 4 HRSG Alstom HP/IP/LP, STG x 450MW GE Mark VIe, solar plant CSP technology 50MW)
Job title : Mechanical Commissioning Engineer
Job Description :

- Follow GE commissioning book.
- Perform the chemical cleaning process for HRSG, Condensate system, Auxiliary system and Air-Cooled Condenser ACC.
- Perform the walk down for the mechanical systems to be released from the construction to the commissioning.
- Perform the flushing process for the mechanical systems.
- Issuing of PTW & proper mechanical isolation.
- Perform with I&C cold and hot loop check, the valves commissioning, ...etc.

Dates : From Jan. 2018 till Dec. 2018
Employer : [EGYPTROL](#), GE Energy Subcontractor
Project : West Damietta CCPP 750MW (4 GT x 125MW GE Mark VIe, 4 HRSG DOOSAN x 180T/H and ST x 250MW GE Mark VIe)
Job title : Lead Operation Engineer
Job Description :

- Follow GE commissioning book.
- Perform the cold and hot commissioning process for HRSG and STG.
- Perform steam blow, first firing and HRSG start-up.
- Perform hot cleaning for Air Cooled Condenser ACC.

- Perform the plant bypass operation.
- Perform start-up the combined cycle power plant.
- Perform the hot commissioning and start-up STG GE, Lube oil, seal oil, Generator H2 First charging, Hydraulic oil, Flushing, ...etc.
- Arrange the activities and meetings with the client.
- Assist the commissioning manager for the plant commissioning activities and report to him the plant daily activities.
- Lead the operation team for the plant start-up, shutdown and plant safe operation.

Dates : From Jan. 2012 till Nov. 2017
Employer : Dubai Electricity & Water Authority (DEWA)
Job title : DCS Operation / Commissioning Engineer
Job Description :

- Carry out commissioning and operation activities, tests, start-up, shutdown and emergency operation of the plant (GT, ST, HRSG, Boiler, Desalination, NG and DFO sys).
- Carry out, monitor, record and maintain operating parameters/activities in order to control and achieve reliable and efficient operations.
- Coordinate between field operators for the proper isolation of equipment, preparation, placing of safety tags normalizing the equipments under commissioning.
- Reporting abnormalities and defects to supervisors & take correct action.
- Issuing of PTW & proper mechanical, instrumental and electrical isolation / normalizing of equipments during start-up, shutdown and all commissioning test.
- Attend the overhauling works for the gas turbine (SIEMENS) and the steam turbine (ALSTOM).

Dates : From Mar. 2009 till Jan. 2012
Employer : New and Renewable Energy Authority (NREA)
Project : El-Kureimat Integrated Solar Combined Cycle Power Plant (ISCC) in EGYPT (140MW)
Job title : Mechanical Construction Engineer
Job Description :

- Supervision for all the mechanical equipment's installation and systems flushing for the solar and thermal plant.
- Perform the integration between the solar island and the thermal plant.
- Perform start-up, operation and commissioning process for the thermal and solar plant.
- Perform start-up, operation (MARK VI), commissioning process for the Gas Turbine GE 6FA (70MW) Mark VI, Heat Recovery Steam Generator (HRSG) and for the Steam Turbine SIEMENS "SST-900" (60MW).
- Perform start-up and the operation process for the integrated plant (thermal & solar).

Dates : From Oct. 2008 till Mar. 2009
Employer : New and Renewable Energy Authority (NREA)
Project : El-Zafaranaa Wind Plants - EGYPT (200MW)

Job title : Mechanical Construction Engineer
Job Description : Supervision for the mechanical equipment's installation for Wind Turbines.