

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 21 years' experience in different type of power plants (Diesel Generators, Thermal Power Plants, Simple and Combined Cycle up to 4000MW).

PERSONAL DATA

Nationality : Egyptian
Birth Date : 18/10/1981
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Zagazig University, 2003
: Preparing M. Sc. in Protection of HV transformers using wavelet program

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: SIEMENS SICUM PAS training course, Basic Automation of GIS by Sicum Pas Software, Nuernberg – Germany.
: SIEMENS SPPA T3000 training course, Operation & Monitoring.
: At Shoubra El-Kheima Power Station Training Center:

- Bechtel training course:
 - Unit operation & maintenance.
 - Basic and site-specific course.
- Unit operation (cold and hot start).
- Unit emergency shut down.
- Useful lessons in case of units' trip.
- Operation in case of black out.

: Automatic Control "Classic Control & PLC".
: Hydraulics System.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : Jul. 2024
Employer : Tecmo Arabia LTD
Project : Bisha Power Station – 3x75MW, KSA
Job title : GT Outage Commissioning TFA
Job Description : Commissioning and Start-up TFA for SIEMENS Gas Turbine SGT6-2000E.

Dates : From Dec. 2023 till Apr. 2024
Employer : Siemens Energy
Project : Jazan IGCC 5x826MW, Jazan Economic City, KSA
Job title : ST/GT Commissioning TFA
Job Description :

- Commissioning and Start-up TFA for SIEMENS Steam Turbine SST6-5000.
- Commissioning and Start-up TFA for SIEMENS Gas Turbine SGT6-5000F (LC).

Dates : Nov. 2023
Employer : GE
Project : SHUQAIQ Power Station 4x720MW, KSA
Job title : ST Outage Commissioning TFA
Job Description :

- SHUQAIQ Power Station Unit 2 re-commissioning 4x720MW.
- Re-commissioning of the steam turbine and generator after A-inspection.

Dates : From Apr. 2023 till Oct. 2023
Employer : Siemens Energy
Project : Jazan IGCC 5x826MW, Jazan Economic City, KSA
Job title : Gas Turbine & Steam Turbine Commissioning TFA
Job Description : Commissioning and Start-up TFA for SIEMENS Gas Turbine SGT6-5000F(LC).

Dates : From Jan. 2022 till Jun. 2022
Employer : GE
Project : Hassyan Clean Coal Supercritical Power Plant 4x660MW, UAE
Job title : Steam Turbine Commissioning TFA
Job Description : Commissioning TFA for GE “ALSTOM” Steam Turbine DKY4 660MW.

Dates : From Dec. 2020 till Apr. 2021
Employer : Siemens Energy
Project : Jazan IGCC 5x826MW, Jazan Economic City, KSA
Job title : Gas Turbine Commissioning TFA
Job Description : Commissioning and Start-up TFA for SIEMENS Gas Turbine SGT6-5000F(LC).

Dates : From Jun. 2019 till Nov. 2019
Employer : GE
Project : Ghorasal Repowering Project, Bangladesh
Job title : ST Commissioning TFA
Job Description : Commissioning and Start-up Team Leader for ALSTOM Steam Turbine.

Dates : From Jul. 2018 till Apr. 2019
Employer : GE Power & Water
Project : Sultanate of Oman
Job title : Commissioning Lead
Job Description : GE "ALSTOM" Steam Turbine KA26 335MW.

Dates : From Nov. 2017 till May 2018
Employer : GE Renewable Energy
Project : Indonesia
Job title : ST Commissioning Lead Engineer
Job Description :

- Commissioning and Start-up Team Leader for ALSTOM Steam Turbine GST 55.
- Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
- Reporting to the Commissioning Manager.

Dates : From Oct. 2015 till Oct. 2017
Employer : Samsung C&T Corporation
Project : R2IPP 3x675MW CCPP, EPC Project - Rabigh, KSA
Job title : GT/ST Commissioning & Start-up Lead Engineer
Job Description :

- Commissioning Team Leader for Siemens Gas Turbine SGT6-5000F (5ee).
- Commissioning Team Leader for Siemens Steam Turbine SST6-5000.
- Lead and coordinate Start-up and Operation activities.
- Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
- Reporting to the Commissioning Manager.

Dates : From May 2015 till Oct. 2015
Employer : GE Power and Water – EGYPTROL subcontractor
Project : Assiut Power Project 8x125MW Simple Cycle
Job title : Senior Commissioning, Start-up & Operation Engineer
Job Description :

- Commissioning Engineer for GE Gas Turbine Frame 9E which included:
 - Lubrication oil and control oil Flushing.
 - Fuel Gas pipe line air blowing.
 - Fuel oil flushing.
 - Water injection flushing.
 - GT pre-commissioning, commissioning and start-up.
- Lead and coordinate Start-up and Operation activities.

- Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
- Reporting to the Commissioning Manager.

Dates : From Aug. 2013 till Apr. 2015

Employer : [EGYPTROL](#) – Commissioning Subcontractor for SAMSUNG C&T

Project : Qurayyah Independent Power Project (6x750MW) – Combined Cycle, KSA

Job title : Senior Commissioning & Start-up Engineer

Job Description :

- Commissioning Supervisor and Start-up Engineer for Siemens Gas Turbine SGT6-5000F (5) which included Gas blowing, Fuel oil flushing, Water injection flushing, GT air blows, Pre-commissioning start-up testing, Parker Multi-function fuel system, start-up and support for Phase C testing and on to the 30-days Reliability Run.
- Commissioning Supervisor and Start-up Engineer for Siemens Steam Turbine SST6-4000 which included Lube oil flushing, Control oil flushing, Air blows, Actuator testing, Lift oil setting, Pre-start checks, Synchronization up to base load.
- Reporting to the Commissioning Manager.
- Commissioning Supervisor and Start-up Engineer for the BOP compressed Air System consisting of Eight Atlas Copco ZT250-8, 6-60/EHAT air compressors, 8 Extra cooler and Dryers.
- Commissioning Supervisor and Start-up Engineer for the BOP Water and Steam System consisting of CTP, CEP, BFP and DFP.
- Commissioning Supervisor for the twelve HRSG system steam blows, operation of the target inserter and recording of the results and getting sign off by the client.
- Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
- Produce the Inspection and Test plans for the BOP system and carry out the final testing phase with the client and sign off.
- Prepared and documented the commissioning program required to complete the CCC packages (commissioning clearance certificate) for handing over to the owner.
- Prepare training documentation and deliver the training to the clients' staff in the class room and on site.
- Planning and Supervision of up to twenty technicians to provide 24 hr maintenance of the Gas and steam turbines during the 30 Day reliability run.
- Provide written technical reports including Root Cause Analysis on system failures.
- Prepare method statements, risk assessments and write permits following the commissioning permit to work system.

Dates : From Mar. 2012 till May 2013

Employer : [EGYPTROL](#) – ANSALDO CALDAIE Company

Project : Abu Qir Power Plant 2x650MW

Job title : Commissioning & Start-up Engineer

Job Description : • Commissioning and Start-up Engineer for Ansaldo Boiler (2100 ton/Hr.)
Duel fuel Boiler consisting of 2 FDF, 2 GRF, 2 Air preheaters and 30 burners.
• Steam Blowing for Boiler coils and steam pipe line.
• Shift Charge Engineer for ANSALDO CALDAIE Boiler.
• Reporting to the Ansaldo Commissioning and Operation Leader.
• Provide written technical reports including Root Cause Analysis on system failures.
• Ensure that all safety and precautionary requirements are followed during the commissioning and Operation process.

Dates : From Jun. 2010 till Feb. 2012

Employer : Cairo Electricity Production Company

Project : Shoubra El-Kheima Power Station:

- Consist of 4 units steam turbine every unit is 315MW and one gas turbine of 36MW.
- Boiler Ansaldo:
 - Maximum construction rate is 1200 ton/hr, Main steam temperature 540 degree centigrade, Throttle pressure 170 kg/ cm², Reheat temporary 540 degree centigrade.
 - Water tube boiler with primary, secondary and tertiary super heaters.
 - Two forced draft fan, tow gas recirculation fan, two-regeneration air heater.
 - 18 duel firing burners (Mazout or natural gas).
- Turbine Westinghouse Tandem compound double exhaust reheat turbine.
- Hydrogen inner cooled generator (20KV).
- Switch yard one and half circuit breaker (220KV).
- 8 bay each bay contains three sf6 circuit breaker.
- Plant auxiliaries (pump house, air compressor, hydrogen generator).
- Emergency gas turbine (36MW) duel fuel (natural gas or solar), generator air cooling, static excitation, axial compressor (18 stage), 8 combustors, 3 stage reaction turbine and starting & emergency diesel.

Job title : Shift Charge Engineer

Job Description : • Supervision of all plant operation on GE Gas Turbine frame 9 with Mark 6E & NEM HRSG & ALSTOM Steam Turbine.
• Supervision of the start-up of the unit after over carrying out maintenance.
• Provide written technical reports including Root Cause Analysis on system failures.
• Organizing and conducting the training of operators on auxiliaries and outside equipment.
• Ensure that all safety and precautionary requirements are followed during the Maintenance and Operation process.

Dates : From May 2009 till May 2010

Employer : [EGYPTROL](http://www.egyptrol.com) – TOSHIBA Plant Systems

Project : Sidi Krir 750MW Combined Cycle

Job title : Commissioning & Start-up Engineer

Job Description :

- Commissioning and Start-up Team Leader for plant BOP consisting of Circulating water pump, Service water pump, Condensate extraction pump, closed cooling pump, Boiler feed pump and Compressed air system.
- Supervisor for the 2 NEM HRSG system steam blows and recording of the results and getting sign off by the client.
- Reporting to the TOSHIBA Commissioning and Operation Leader.
- Provide written technical reports including Root Cause Analysis on system failures.
- Ensure that all safety and precautionary requirements are followed during the commissioning and Operation process.

Dates : From Nov. 2007 till Apr. 2009

Employer : Cairo Electricity Production Company

Project : Shoubra El-Kheima Power Station 4x315MW

Job title : Shift Charge Engineer

Job Description :

- Supervision of all plant operation consisting of 4 Westinghouse Steam Turbine, 4 Ansaldo Boiler 1072 ton/hr and plant BOP.
- Supervision of the start-up of the unit after over carrying out maintenance.
- Supervision of the energizing & de-energizing of high voltage transmission lines from plant switchyard.
- Supervision of the Gas turbine (Fait TTG 36MW) operation and troubleshooting.
- Supervision of the emergency diesel operation.
- Supervision of the weekly and monthly tests for the unit equipment.
- Provide written technical reports including Root Cause Analysis on system failures.
- Organizing and conducting the training of operators on auxiliaries and outside equipment.
- Ensure that all safety and precautionary requirements are followed during the Maintenance and Operation process.

Dates : From Jun. 2006 till Oct. 2007

Employer : Cairo Electricity Production Company

Project : Shoubra El-Kheima Power Station

Job title : Shift Assistant Engineer

Job Description :

- Supervisor of Units Operation using SIEMENS SPPA T3000 DCS.
- Participate in commissioning and start-up of units 2 & 4 after installation from panel control to DCS SIEMENS SPPA T3000 control.
- Start-up units (Boiler & Turbine), make normal unit shut down and troubleshooting.
- Logging and recording readings, identifying and reporting defects occurring in any plant in the defined area.
- Make weekly and monthly tests for the unit equipment.
- Provide written technical reports including Root Cause Analysis on system failures.
- Gas turbine operation and troubleshooting.
- Ensures that all safety and precautionary requirements are followed during the Maintenance and Operation process.

- Dates** : From Oct. 2003 till May 2006
- Employer** : Cairo Electricity Production Company
- Project** : Shoubra El-Kheima Power Station
- Job title** : Operation & Start-up Engineer
- Job Description** :
- Line up system and equipments, check up and monitoring all unit equipment (local).
 - Check up Boiler, Turbine, Generator, Auxiliaries, Air compressors, pump house and Mazout area.
 - Ensure that all safety and precautionary requirements are followed during the Maintenance and Operation process.
- Field of experience** :
- GE Gas Turbine frame 9 with Mark 6E 2x250MW.
 - Siemens Gas Turbine SGT6-5000F (5) with SPPA T3000 12x230MW.
 - Siemens Steam Turbine SST6-4000 with SPPA T3000 6x230MW.
 - Westinghouse Steam Turbine 4x315MW.
 - ALSTOM Steam Turbine 250MW.
 - Positions held:
 - Gas Turbine Senior Mechanical Commissioning Engineer.
 - Steam Turbine Senior Mechanical Commissioning Engineer.
 - BOP Senior Mechanical Commissioning Engineer.
 - Shift Charge Engineer (Thermal Power Plant, Simple Cycle & Combined Cycle).