

Holds a B. Sc. in Mechanical Power Engineering and has about 31 years' experience in the field of simple cycle and combined cycle operation. High experience with Gas Turbine and combined cycle control system and operation parameters. Full understanding of the principles of gas turbine and combined cycle operation with the ability to comprehensively record, understand and interpret the performance curves of gas turbines. Troubleshooting and Fault-finding skills on gas turbines and combined cycle, control systems, hydraulics, pneumatics and electrical systems.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 12/02/1964  
Gender : Male  
Marital Status : Married  
Residence : Cairo

## EDUCATION

: B. Sc. in Mechanical Power Engineering, 1988

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

: Frame 9001F, Mark VI G.E., USA (1 month).  
: Netmation (Gas Turbine Control) Mitsubishi, JAPAN (1 month).  
: DCS, ABB, Cairo South Power Station (3 months).  
: Bechtel course at Shoubra El-Kheima Power Station (6 months).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jul. 2022 till Apr. 2023  
**Employer** : SPM Oil and Gas Caterpillar Co.  
**Project** : Iraq, Basra, Al-Zubir Power Plant (PPG), Alstom Gas Turbine (4x180MW)  
**Job title** : GTG Engineer

**Job Description** : 

- Supervise and support Commissioning team in the execution of daily activities.
- Status reporting of commissioning progress as required by the project.
- Maintain the optimum performance of all operating units.
- Follow up safe start-up for equipment and for people.

**Dates** : From Dec. 2017 till Apr. 2020

**Employer** : [EGYPTROL](#), GE Subcontractor

**Project** : Assiut 1500MW Combined Cycle Power Plant, New Assiut Power Plant GE Frame 9E Gas Turbine (8x125MW) and (2x250MW) GE D200 steam turbine

**Job title** : Commissioning & Operation Lead

**Job Description** : 

- Supervise and support Commissioning Technicians in the execution of their daily activities.
- Status reporting of commissioning progress as required by the project.
- Identification & sourcing of Commissioning tools / spares / consumables.
- Check Safety Procedures and Plant reliability.
- Maintain the optimum performance of the all operating units.
- Follow up safe start-up for equipment and for people.
- Follow up (LOTO) isolation procedure for equipment maintenance.
- Follow up (LOTO) Safety Tags for equipment maintenance.
- Start steam blow procedures and BOP operation.
- Operation via Mark Vie operation control system.
- Monitor the operation of the combined cycle, running parameters and auxiliaries' operations from a safety and efficiency aspect.
- Check Safety Procedures and Plant reliability.
- Maintain the optimum performance of the all operating units.
- Maintain safe start-up for auxiliaries equipments and units.

**Dates** : Jun./Jul. 2016

**Employer** : Shanahan Co.

**Project** : PP12 Saudi Arabia CCGT block 2 (4x180MW gas turbines GE 7F.05, 4 Alstom HRSG, 380MW Alstom steam turbine)

**Job title** : Lead Operation & Start-up Engineer

**Job Description** : 

- Start-up combined cycle operation.
- HRSG Yokogawa DCS control system.
- Steam turbine Alspa control system.

**Dates** : From May 2015 till Apr. 2016

**Employer** : [EGYPTROL](#), GE Subcontractor

**Project** : Assiut 1000MW Simple Cycle Power Plant, New Assiut Power Plant GE Frame 9E Gas Turbine (8x125MW)

**Job title** : Operation Supervisor

**Job Description** : 

- Daily follow up commissioning activities.
- Follow up equipment test programs.
- Operation via Mark Vie operation control system.
- Monitor the operation of the gas turbine, running parameters and auxiliaries' operations from a safety and efficiency aspect.

- Check Safety Procedures and Plant reliability.
- Maintain the optimum performance of the all operating units.
- Maintain safe start-up for auxiliaries' equipments and units.
- Carry out (LOTO) isolation procedure for equipment maintenance.
- Carry out (LOTO) Safety Tags for equipment maintenance.
- Diagnostic Alarms and routine maintenance.

**Dates** : From Feb. 2013 till May 2015

**Project** : (YTL O&M) Lebanon Beddawi 450MW Combined Cycle Power Plant:

- Siemens V94.2 Gas Turbine (2x150MW).
- T3000 operating system.
- Siemens HDS160/20-ND37AU Steam turbine (1x166.8MW).
- Coswin work permit program.
- Lotus Notes PR, PO, RIR and mail system.

**Job title** : Operation Head (YTL O&M)

**Job Description** :

- Supervise 14 Operator Engineers and 10 Technicians for operation and monitoring.
- Every day morning management meeting.
- Notes and Reports.
- Check Safety Procedures and Plant reliability.
- Maintain the optimum performance of the all operating units.
- Follow up and maintain quality and meet the targeted power demand.
- Preparing long shutdown programs.
- Follow up equipment test programs.
- Ensure safe start-up for equipment and turbines.
- Follow up safe shutdown for equipment and turbines.
- Follow up (LOTO) isolation procedure for equipment maintenance.
- Follow up (LOTO) Safety Tags for equipment maintenance.
- Troubleshooting and Diagnostic Alarms.
- Follow up combined cycle operation Training for new Engineers.

**Dates** : From Feb. 2012 till Feb. 2013

**Employer** : [EGYPTROL](http://www.egyptrol.com), Ansaldo Energia Subcontractor

**Project** : 6th October Power Station (600MW)

**Job title** : Commissioning & Start-up Operation Supervisor Engineer

**Job Description** :

- Simple Cycle Siemens V94.2 Gas Turbine (4x150MW).
- Identification of systems limits and updating of limits in line with latest revision of P&ID's / SLD's in conjunction with completions personnel.
- Supervise and support Commissioning Technicians in the execution of their daily activities.
- Status reporting of commissioning progress as required by the project.
- Identification & sourcing of Commissioning tools / spares / consumables.
- Check Safety Procedures and Plant reliability.
- Maintain the optimum performance of the all operating units.
- Follow up safe start-up for equipment and for people.
- Follow up (LOTO) isolation procedure for equipment maintenance.
- Follow up (LOTO) Safety Tags for equipment maintenance.
- Monitor the operation of the gas turbine, running parameters and

auxiliaries' operations from a safety and efficiency aspect.

- Check Safety Procedures and Plant reliability.
- Maintain the optimum performance of the all operating units.
- Maintain safe start-up for auxiliaries' equipments and units.
- Carry out (LOTO) isolation procedure for equipment maintenance.
- Carry out (LOTO) Safety Tags for equipment maintenance.
- Diagnostic Alarms and routine maintenance

**Dates** : From May 2011 till Feb. 2012

**Project** : Cairo North Combined Cycle Power Station (1500MW):

- GE gas turbines (2x250MW) frame 9FA (Mark VI control).
- Mitsubishi turbines (2x250MW) frame M07F (netmation control).
- Steam Turbine (Hitachi 250MW).
- Steam Turbine (Alstom 250MW).
- HRSG NEM (4x350 ton).
- DCS GE (Mark Vie control).
- DCS Foxboro Company (Invences) Italy.

**Job title** : Operation Supervisor

**Job Description** :

- Daily follow up commissioning activities.
- Follow up equipment test programs.
- Operation via Mark Vie operation control system.
- Monitor the operation of the gas turbine, running parameters and auxiliaries' operations from a safety and efficiency aspect.
- Check Safety Procedures and Plant reliability.
- Maintain the optimum performance of the all operating units.
- Maintain safe start-up for auxiliaries equipments and units.
- Carry out (LOTO) isolation procedure for equipment maintenance.
- Carry out (LOTO) Safety Tags for equipment maintenance.
- Diagnostic Alarms and routine maintenance.

**Dates** : From Jul. 2009 till May 2011

**Employer** : Mesaieed Power Company Ltd., Mesaieed – Qatar

**Project** : Combined Cycle (2000MW):

- 6 Gas Turbines GE, 9FA (3 Blocks of 2 Units Frame 9FA Gas Turbine Combined with GE D11 Steam Turbine).
- 1 Block of 2 x Frame 6B for Black Start.
- NEM Heat Recovery Steam Generator (HRSG).
- Gas Turbines Mark VIe control (Simplicity-Toolbox).
- BOP Mark VIe Control.
- (LOTO) 400KV, 220KV, 132KV High Voltage Switchgear, Switching, Isolation, Earthing, Lock out, Tag out.

**Job title** : Shift Charge Engineer & Senior Authorized Person

**Job Description** :

- Medium Voltage Switchgear 10KV & Low Voltage 400V Switching, Isolation, Earthing, Lock out, Tag out.
- Mechanical and Electrical equipment Isolation, Earthing, Lock out, Tag out.
- Work permit, Sanction for test, LOA (limitation of access), ROMP (Restoration of Motivated Power), Hot Work Permit, Confined Space Document preparation.

- All Issue and Cancelation.
- Using ENGICA & ECLIPSE systems for issuing and cancelation.
- Follow up (LOTO) isolation procedure for equipment maintenance.
- Follow up (LOTO) Safety Tags for equipment maintenance.

**Dates** : From Jun. 2008 till Jul. 2009

**Project** : Cairo North Power Station Combined Cycle "Phase II" (750MW):

- General Electric Company (GE) "Frame 9FA" (2 Units x 250MW) Gas Turbines.
- Alstom Company (1 Unit x 250MW) Steam Turbine.
- NEM Heat Recovery Steam Generator (HRSG).
- Gas Turbines Mark VI control (Simplicity-Toolbox).
- BOP Mark VIe Control.

**Job title** : Operation Supervisor Engineer

**Job Description** :

- Supervise 10 Operator Engineers and 10 Technicians for operation and monitoring.
- Installation progress access flow up.
- Notes and Reports.
- Costumer and Contractors meeting.
- Safety Procedures and Plant reliability.
- Start-up procedures.
- Safe start-up for equipment and for people.
- Safe shutdown for equipment and for people.
- Carry out (LOTO) isolation procedure for equipment maintenance.
- Carry out (LOTO) Safety Tags for equipment maintenance.
- Troubleshooting.
- Diagnostic Alarms.
- Combined Cycle operation training for new Engineers.

**Dates** : From Sep. 2007 till May 2008

**Project** : Ras Abu Fontas (RAF) 750MW – QATAR  
(General Electric Company (GE) "Frame 9FA" (3 Units x 250MW) Gas Turbines)

**Job title** : Operation Supervisor Engineer

**Job Description** :

- Installation progress access flow up.
- Attendance commissioning.
- Operation Supervisor.
- Notes and Reports.
- Costumer and Contractors meeting.
- Safety Procedures and Plant reliability.
- Start-up procedures.
- Safe start-up for equipment and for people.
- Safe shutdown for equipment and for people.
- Carry out (LOTO) isolation procedure for equipment maintenance.
- Carry out (LOTO) Safety Tags for equipment maintenance.
- Troubleshooting.
- Diagnostic Alarms.
- Lockout Tag out responsibility.
- Work permit responsibility.

**Dates** : From 2003 till 2007

**Project** : Cairo North Power Station Combined Cycle "Phase I" (750MW):

- Mitsubishi (2 Units x 250MW) Gas turbines.
- Hitachi (1 Unit x 250MW) Steam Turbine.
- NEM Heat Recovery Steam Generator (HRSG), 2 Boilers.
- Control System (Netmation).
- Mark VI General Electric Control (GE).
- DCS Balance of Plant Control (BOP) Foxboro Company (Invences) Italy.

**Job title** : Combined Cycle Operation Supervisor Engineer

**Job Description** :

- Supervise 10 Operator Engineers and 10 Technicians for operation and monitoring.
- Installation progress access flow up.
- Notes and Reports.
- Costumer and Contractors meeting.
- Safety Procedures and Plant reliability.
- Start-up procedures.
- Safe start-up for equipment and for people.
- Safe shutdown for equipment and for people.
- Carry out (LOTO) isolation procedure for equipment maintenance.
- Carry out (LOTO) Safety Tags for equipment maintenance.
- Troubleshooting.
- Diagnostic Alarms.
- Combined Cycle operation training for new Engineers.

**Dates** : From 1994 till 2003

**Project** : Cairo South Power Station Combined Cycle:

- General Electric Company (GE) "Frame 9001E" (1 Unit x 110MW) Gas Turbine.
- General Electric Company (GE), 1 Unit x 60MW) Steam Turbine.
- Mark IV General Electric Control (GE).
- Mark V General Electric Control (GE).
- DCS Balance of Plant Control (BOP) Westinghouse Distribution Power Family (WDPF).
- Heat Recovery Steam Generator (HRSG), VOGT Co. – Germany.

**Job title** : Operation Supervisor Engineer

**Dates** : From 1992 till 1994

**Project** : Cairo South Power Station Simple Cycle:

- General Electric Company (GE) "Frame 9001E" (3 Units x 110MW) Gas Turbine.
- Mark VI General Electric Control (GE).

**Job title** : Simple Cycle Shift Operation Engineer

**Job Description** :

- Safe start-up for equipment and for people.
- Safe shutdown for equipment and for people.
- Carry out (LOTO) isolation procedure for equipment maintenance.
- Carry out (LOTO) Safety Tags for equipment maintenance.
- Troubleshooting.
- Diagnostic Alarms.

- Lockout Tag out responsibility.
- Work permit responsibility.