

Holds a B. Sc. in Mechanical Engineering and has about 23 years proven hands-on extensive experience in power, utility & associated plants commissioning, operation, control room and site office.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/08/1976
Gender : Male
Residence : Talkha

EDUCATION

: B. Sc. in Mechanical Engineering, Mansoura University, 2000

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2024 till now
Employer : TRACTABLE-ENGIE (Consultant PART)
Project : Construction of a CCGT with capacity more than 600MW at Navoi TPP – Uzbekistan
Project consists of one Gas Turbine MJ701 MPW with capacity 500MW, one HRSG, one ST.
Job title : Senior Gas Turbine Engineer
Job Description :

- Review the technical drawings and manuals and PID and correct it during detailed design stage of the project.
- Resolve in depth technical issues on GT technology for customer timely and efficiently.
- Perform system diagnostics and troubleshooting on turbine components.
- Supervising of all commissioning activities done by the contractor and reported to project manager.
- Coordinate with upper management to optimize operational efficiency and resource allocation.
- Regularly communicated operational issues and implemented solutions with contractor MPW (Mitsubishi).

- Provide strong guidance of safety culture by achieving company and customer EHS Plans.

Dates : From Dec. 2021 till Oct. 2024

Employer : Caterpillar – SPM

Project : Zubair Simple Cycle Power Plant 4x189MW, IRAQ
 Plant consists of 4 Gas Turbines 4x189MW TYPE ALSTOM GT13E2 designed by ALSTOM - GT type GT13E2, GT ID.NO. G368/369/370/371 - Main fuel natural gas, dry operation, backup fuel oil, wet operation, power augmentation EVAPERATOR COOLER, emission control AEV (advanced environment burners) - Generator type 50WY21Z-095 AIR COOLING.

Job title : Gas Turbine Generator Engineer

Job Description :

- Pre-commissioning and commissioning of oil system, air system, and seal air system.
- Work closely with instrumentation engineer during the outages for installation, calibration and set-up of compressor electrical instrumentation (such as vibration probes, temperature elements, I/p converters).
- Verify the start-up sequence, provide assistances during the startup, checking the functional parameters of compressor and equipment in order to optimize performance during start-up phase and efficiency of gas turbine and to suspect the minimum radial clearance between rotor and stator parts.
- Perform small mechanical repairs and carry out any machine works at the machine tools in the workshop.
- Assembly, disassembly, check and adjust the installation and functioning clearances, evaluate the wear, or damage state of the compressor components.
- Technical direction and management of gas turbine maintenance outages (combustion, hot gas path, Major inspection, generator, etc.).
- Trouble shooting turbine auxiliaries.
- Lead a crew of maintenance mechanical technicians responsible for the maintenance and repair of all plant mechanical systems and equipment's.
- Plan and schedule required mechanical maintenance activities on a daily basis with assistance from work planner.
- Perform preventative maintenance duties on all major equipment and systems as well as emergency backup systems.

Dates : From Nov. 2018 till Nov. 2021

Employer : JP AVIX

Project : BAGHDAD CCPP 1500MW PHASE 2 (BESAMYA), IRAQ
 Plant consists of 2 modules each module capacity 750MW.
 Plant specification:

- GAS TURBINE 4x250MW GE FRAME 9FA WITH MARK 6.
- STEAM TURBINE 2x250MW GE-MODEL C7.
- HRSG, 4 x 465 TON (77,55BAR 7,43BAR) DUAL PRESSURE LEVEL HP, LP.
- UNFIRED, VERTICAL, COL CASING, NATURAL CIRCULATION DESIGN.

Job title	:	CMI MAKE, OVATION DCS CONTROLLED.
Job Description	:	• Performed pre-commissioning and commissioning activities. • Like walk down inspection, punch list, work request sheet. • Data sheet preparing, commissioning check list site. • Responsible for safe and sufficient test commissioning for STG. • Coordinating mechanical commissioning team to carry out all jobs. • According to GE commissioning recommended procedures. • Implementing start-up, normal operation, shutdown operations. • Hand over to the operation team the units in full confidence and the required safety.
Dates	:	From Nov. 2016 till Nov. 2018
Employer	:	SIEMENS
Project	:	Burullus CCPP 4800MW Plant consists of 4 modules, each module capacity 1200MW 2x400MW GT SIEMENS SGT5-8000H and 1x400MW STG.
Job title	:	PTW Coordinator
Job Description	:	• Complete the Siemens internal PTW training with responsibility for coordination and administration of PTW system. • Obtaining tools and equipment required to operate PTW system. • Maintaining data base, filing system and various lists to support administer and manage PTW system. • Training AA and LS PERSONNAL. • Monitoring and maintain the PTW procedure flow path. • Ensuring compliance monitoring take place after issue of PTW. • Issuing completed PTW to AA and ensuring that the AA fully understand the controls and limitations. • Subject to experience and completing the basics isolation training carryout the function of SAP.
Dates	:	From Jun. 2015 till Nov. 2016
Employer	:	El Sewedy Electric
Project	:	ATTAQA SIMPLE CYCLE 650MW GT Plant consists of 4x172MW GT SIEMENS model SGT5-2000E (VG92.4).
Job title	:	Lead GT Mechanical Commissioning Engineer
Job Description	:	• Supervision of plant and personnel on 24 hr. • Monitoring construction progress. • Reporting to start-up manger all construction defects. • Assisting in producing commissioning procedures and schedule. • Personally, responsible for commissioning lube oil, light distillate oil, cooling water systems. • Operating plant during trial run and acceptance trials. • Operation and supervision PERMIT TO WORK SYSTEM • NG firing as main fuel and solar oil as backup fuel. • PREMIX and diffusion mode for NG, DIFFUSION mode for solar oil only, plant control via SPPA-T30002.

Dates : From Feb. 2013 till May 2015
Employer : Doosan Heavy Industries and Construction Company
Project : Al Ain Sokhna Supercritical Power Station 2x650MW
Plant consists of 2x650MW STG by HITACHI and supercritical boilers with capacity 2100t/h.
Job title : Lead Boiler Mechanical Commissioning Engineer
Job Description :

- Safety Controller, operating the company safety rules.
- Pre-commissioning, commissioning and operation duties during construction.
- Responsible for steam and water circuits.
- Responsible for fuel oil system and flue gas system.
- Responsible for steam blow of both boilers.
- Supervision the operation of the units during start-up, reliability run tests.
- Responsible for PERMIT TO WORK system.

Dates : From Jun. 2012 till Feb. 2013
Employer : SAUDI ELECTRICITY COMPANY
Project : RABIGH POWER PLANT (KSA)
Plant consists of six stages include STG, CCGT, GT, total no. of units 46 units.
Job title : Shift Charge Engineer
Job Description :

- Ensure safety compliance of self and others.
- Perform all work in compliance with safety handbook.
- Issue equipment clearances and WORK PERMITS.
- Verify the satisfactory operation of equipment using logs, charts, meters.
- Control the shift of all plants consists of 60 operators
- ON-JOB TRAINING of member of shift.

Dates : From Dec. 2011 till Jun. 2012
Employer : ELSEWEDY ELECTRIC
Project : ABU QIR THERMAL POWER PLANT 2x650MW
Plant consists of 2x650MW STG by HITCHI, and boiler with capacity 2100 ton/hr by Ansaldo Caldaie and BOP by Elsewedy/ZTPC consortium.
Job title : Senior BOP Mechanical Commissioning Engineer
Job Description :

- Shift Leader, responsible for start-up and operation of the final two units.
- Personally, responsible for commissioning of the steam systems of the plants.
- Supervising the operation of two units during start-up, reliability run and tests.
- Personally, responsible for commissioning of condensate, service and circulating water systems.
- Personally, responsible for commissioning of steam blow of two units.
- Assist in chemical cleaning of both units.
- Assist in producing commissioning procedures and schedules.
- Operate WORK TO PERMIT system.

Dates : From Feb. 2011 till Dec. 2011
Employer : Kharafi National

Project : AL-SHABAB SIMPLE CYCLE 1000MW GAS TURBINE
Plant consists of 8x125MW GT GE MS9001E class A, control of plant was via spintronic mark 6.

Job title : Shift Operation Engineer

Job Description :

- Responsible for the shift on final construction, commissioning, start-up of the plant.
- Control the shift of plant during performance and reliability tests.
- Training the client staff on theory and practical.
- Preparation of operating manuals in cooperation with operation department and vendor.
- Operation and supervision of the PERMIT TO WORK system.
- ISSUING OF SAID PERMITS.

Dates : From Dec. 2009 till Feb. 2011

Employer : PGESCO / Bechtel

Project : CAIRO WEST 2x350MW STEAM TURBINE:
Plant consists of 2x350MW steam turbine designed by MHI and natural circulation forced draft boilers by HITCHI/BABCOCK and balance of plant by Initec.

Job title : Steam Turbine Mechanical Commissioning Engineer

Job Description :

- Supervising of plant personal during initial operation of the plant.
- Responsible for pre-commissioning, commissioning and start-up of steam turbine generator.
- Review P&D and engineering documents (data sheeted, ...).
- Perform systems walk downs and prepare punch list.
- Coordinate punch list completion activities.
- Direct, coordinate and supervising the action of the client's operational staff during operations phase of project.
- Record data as per operating and maintenance instructions.
- Assistance in preparation of PERMITS and LOTO system.
- Plant control was via YOKOGAWA and DIASYSTEM NETMATION.

Dates : From Feb. 2008 till Nov. 2009

Employer : Hitachi - Toyota

Project : EL-ATF 750MW CCGT

Job title : BOP Mechanical Commissioning Engineer

Job Description :

- Performed pre-commissioning, commissioning and operational checks.
- Supervising, witnessing and recording of tests.
- Pre-start checks, initial operation of plants.
- Reporting to start-up manager daily construction progress and failures.
- Operation plant during trial run and acceptance test.
- Client staff training in theory and and practice of plant.
- Reporting defects and supervising construction staff during remedial work.
- Responsible for issuing work to permit.

Dates : From Jul. 2006 till Jan. 2008

Employer : Skoda Praha

Project : NEW TALKHA 750MW CCGT:
Plant consists of 2x250MW GAS TURBINE designed by SIEMENS model (94.3A2), Heat Recovery Steam Generator (HRSG) by consortium between CMI and SKODA, 1x250MW designed by ALSTOM.

Job title : BOP Mechanical Commissioning Engineer

Job Description :

- Team Leader of small and dedicated group responsible for the pre-commissioning, commissioning and start-up of plant.
- Carried out post commissioning and operational duties after successful completion of construction.
- ISSUING WORK TO PERMIT documents, Accepting permits.
- Organizing, assigning and supervising activities of a team of 5 supervisors, 15 operators.
- Participating as coordinator for start-up of units after shut down for maintenance.
- Client staff training in theory and practice of plant.
- Reporting defects and supervising construction staff during remedial work.
- Responsible for issuing work to permit.

Dates : From Sep. 2004 till Jul. 2006

Employer : MDEPC

Project : Talkha Steam Turbine 2x220MW:
Plant consists of 2x220MW oil/gas fuel steam turbine. SKODA Company designed both steam turbine and natural circulation forced draft boilers.

Job title : Shift Charge Engineer

Job Description :

- Control of the shift.
- Supervising local plant operators and training of shift staff.
- Safe start-up and shutdown of plant, load changing.
- Directing personnel to immediately remedy faults, maintain shift log.

Dates : From Jul. 2002 till Aug. 2004

Employer : EDEPC

Project : Ayoun Moussa Steam Turbine Power Plant 2x320MW:
Plant consists of 2x320MW oil/gas fuel turbine-generator units, Siemens design steam turbines, Babcock designed natural circulation forced draft Boilers.

Job title : Unit Operation Engineer

Job Description :

- Safe and efficient operation of unit equipments.
- Monitoring of the plant systems like fuel systems, boilers systems, turbines systems, generators systems and electrical systems.
- Change loading of turbines/generators as required from the Board or through DCS.
- Read meters and record data at specified intervals in appropriate logs.
- Team with the work of other operation employees on shift to insure successful operation and shutdown of unit.
- Assist in ON-JOB training of other employees.

Field of experience : • A substantially experienced STG, GT, CCGT, DESALINATION PLANTS O&M.

- Extensive experience covering the pre-commissioning, commissioning, start-up and safe ongoing operation from green field state to handover.
- Writing commissioning and operation procedures, testing and complete relative documentation.
- Senior Authorized Person for PERMITS TO WORK (SAP) and safety clearance certification.
- Observe all HSE Safety standards and provide continued quality work.
- Reliability and performance test assistance, checking, approving.
- Key Skills:
 - About 23 years proven hands-on extensive experience in power, utility associated plant commissioning, operation, control room and site office.
 - Highly proficient ON-JOB training and supervision of client workforce.

EGYPTROL BLACKLIST