

Holds a B. Sc. in Mechanical Power Engineering and has over 10 years of experience in power plants, thermal & fluid systems, maintenance, commissioning and technical solutions. Skilled in reliability improvement, rotating and static equipment, utilities systems and asset life cycle management with strong exposure to Saudi power and industrial markets.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 27/05/1992
Gender : Male
Residence : Currently KSA

EDUCATION

: B. Sc. in Mechanical Power Engineering, Helwan University, 2014

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Certified Maintenance and Reliability Professional from ANSI accredited SMRP organization (CMRP).
- : Asset integrity.
- : Firefighting Systems Design & Construction (TYCO Company).
- : Power Plant Equipment, systems theory and application (CEPC).
- : Fundamentals of water and waste treatment for industrial plants (CEPC).
- : HVAC Systems Design (EGY CET).
- : Project Management (quality – HSE – Procurement – Planning – Contract administration) (PGESCo.).
- : Pipelines Inspection & Testing (Construction compliance check – pressure testing) (PGESCo.).
- : Welding & welding inspection (WPS, PQR – VT – PT – RT) (PGESCo.).
- : Rotary Equipment (Maintenance, operation and troubleshooting) (CEPC).

- : Steam Generator Unit & Auxiliaries (Design, Operation and Maintenance) (AC Boiler – Milan – Italy).
- : Control Valves Operation & Maintenance, PARCOL – Italy.
- : Safety Valves Calibration and Maintenance, AC Boiler – BHGE.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2023 till now
Employer : Business Tribune Global, Dammam – KSA
Project(s) : B2B, EPC, Aftermarket
Job title : Senior Technical Solution Engineer
Job Description :

- Complete successfully projects with value more than 40000000 SAR related to power plants and utilities market in Saudi Arabia.
- Develop Technical Solution for EPC projects, Power Plants and utilities.
- Prepare technical and commercial bids for rotating equipment, pumps, valves and mechanical packages.
- Technical negotiation with the customer procurement team, end users and OEMs.
- Support cost estimation and logistic processes.
- Inspect received equipment and parts to ensure technical compliance.

Dates : From May 2020 till May 2023
Project : Cairo West Power Plant
Job title : Mechanical Maintenance Engineer
Job Description :

- Maintain equipment and systems reliability, performance and availability for a 2000MW Thermal Power Plant.
- Implement required corrective, predictive and preventive maintenances as per equipment manufacturers recommendations and best practices.
- Troubleshoot and find root cause of faults occurred during normal operation through applying suitable diagnostic methodologies and techniques (failures trends and patterns, condition/process monitoring).
- Effective job planning and inventory control to ensure resources availability.
- Implement modifications and projects as required to improve equipment and process reliability.
- Lead maintenance team to complete assigned tasks safely and successfully.
- Manage Computerized Maintenance Management System (CMMS) to handle and plan work orders, permits and job requests.

Dates : From May 2017 till May 2020
Employer : CEPC
Project : Cairo West Supercritical Power Plant (1x650MW) Oil & Gas Fired
Job title : Mechanical Commissioning Engineer
Job Description :

- Acquisition of equipment and assets for balance of plant and steam generator systems of a 650MW Supercritical Power Plant.
- Complete successfully 5000000 safe manhours with adherence to specified quality and as a result we could achieve implementation of a

world class reliable plant includes (power and Heating Boilers, Pumps, Fans, Blowers, Heat exchangers, Piping networks, Vessels, Storage tanks, Control Valves, Maintenance Hoists, Oil & Gas Burners).

- Review and evaluate design and engineering documents submitted by contractors and vendors to check their compliance to the contract specification (Bechtel standards), codes and standards (ASME, API, NFPA).
- Review and evaluate commissioning, operation and maintenance documents to ensure achieving the desired quality and reliability from assets early life (Inspection & test plans, commissioning procedures and operation and maintenance manuals).
- Effective site activities coordination between project contractors to ensure completion of activities within deadlines and as per approved quality control plan.
- Supervise and follow up installation of equipment and completion of systems to ensure adherence to safety rules and to contracted specification of quality.
- Execute acceptance tests and inspection for completed works as per approved inspection and test plans (dimensional check, hydrotests, pneumatic tests, tightening torques check, welding NDT and load tests).
- Ensure precise installation of rotating equipment through check and correction of soft foot, pipe strain and shaft alignment and capturing & analyze vibration signatures.
- Implement required pre-commissioning activities (final mechanical completion check, pipes flushing and blowing, chemical cleaning, steam blow and protection trip conditions).
- Monitor and record equipment performance during commissioning and first start-up phase to ensure readiness of equipment to be operated commercially and perform any required adjustment or tuning.

Dates : From May 2016 till May 2017

Employer : Triangle Group FG Wilsom

Job title : Technical Office Engineer

Job Description :

- Raise company sales volume and customer satisfaction for sold services and spare parts of diesel generator sets.
- Develop spare parts lists and proposals according to manufacturer Manuals and customer requirements.
- Analyze customer requests to submit most suitable offers and determine fast moving parts.
- Technical support for maintenance team (parts identification, job planning and special tools).
- Build up suitable stock of spare parts according to commercial and technical studies.

Field of experience :

- Maintenance & Commissioning.
- Asset life cycle management and Asset integrity.
- Software and tools (AutoCAD, CMMS, CRM, Hydraulic/Thermal calculation).
- Reliability Engineering.