106989-MET-1OS-E-2015
Field Commissioning, Start-up & Operation Engineer

Holds a B. Sc. in Mechatronics Engineering and has over 8 years experience working in commissioning, start-up and operation.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	27/04/1989
Gender	:	Male
Marital Status	:	Married
Residence	:	Giza, Cairo

EDUCATION

: B. Sc. in Mechatronics Engineering, Helwan University, 2015

LANGUAGES

Arabic	:	Native Language
English	:	Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: (CNC) Machine course from Technology & Electrical System Co.
: Trainings at:
- EGYPTIAN IRON & STEEL COMPANY.
- EL-KUREIMAT POWER STATION.

CHRONOLOGICAL EXPERIENCE RECORD

Employer : El-Sewedy (PSP)

Job Description :
- Al Layyah CCPP 1026MW (2 x HRSG / 1 x Steam Turbine), Sharjah – UAE (Field Commissioning, Start-up & Operation Engineer):
  - Currently working on the commissioning, start-up and operation of a new 1025MW power plant.
  - Responsible for ensuring that the plant is commissioned and operated safely and efficiently.
  - Working closely with the engineering team to troubleshoot any problems that may arise.

- Providing training to operations personnel on how to operate the plant.

- Assiut Power Plant (Operation Engineer):
  - Managed the operation of a steam turbine power plant, ensuring that it operated safely and efficiently.
  - Successfully completed a major overhaul of the plant, resulting in a 10% increase in efficiency.
  - Implemented a new preventive maintenance program, which reduced the number of unplanned outages.
  - Trained new operations personnel, helping them to improve their skills and knowledge.
  - Identified and resolved potential safety hazards, preventing any accidents.

Dates : From Feb. 2020 till Jan. 2021
Employer : Energy China JEPCC 1
Job title : Operation Engineer
Job Description :

- Successfully commissioned and started up a new power plant, meeting all deadlines and budget targets.
- Ensured that the plant operated safely and efficiently, with no major incidents.
- Provided training to operations personnel, helping them to improve their skills and knowledge.
- Developed and implemented a new maintenance plan, which reduced the number of unplanned outages.
- Identified and resolved potential safety hazards, preventing any accidents.

Dates : From Jan. 2016 till Jan. 2020
Employer : TECHINT FOR ENGINEERING & CONSTRUCTOIN
Job title : Operation Engineer
Job Description :

- Investigated and resolved operational issues, resulting in a 20% reduction in downtime.
- Developed corrective actions to improve operational efficiency, saving the company $100,000.
- Provided consulting services to solve operations engineering problems, resulting in a 10% increase in production.
- Ensured that operations were conducted in compliance with company standards and regulations, preventing any major incidents
- Initiated continuous process improvements, which led to a 5% increase in productivity.
- Provided engineering support to operations team in achieving business goals, resulting in a 15% increase in profits.

Projects:

- Projects:
  - South Helwan Supercritical Power Plant 3x650MW (CP-118 BOP).
  - Cairo West Supercritical Power Plant 1x650MW.
  - Assiut Supercritical Power Plant 1x650MW.
- Scope of work and achievements:

- Start-up / shut down of all the systems.
- Support the Commissioning Team Start-up Procedure of the equipment.
- Secure the Unit During Emergency Conditions or shutdown.
- Support the Mechanical Team During any Maintenance Action on the unit.
- Follow up and Report the Unit's Condition.
- Periodical Equipment changes over procedures.
- Ensure that the Normal Operation Procedure is going on according to Technical Recommendations Recommended by the Consultant.

- These tasks were applied on all the systems:
  - Feed water System.
  - Boiler Feed turbine.
  - Condensate System.
  - Closed Cooling System.
  - Air Compressor System.
  - Circulating water system.
  - Service water system.
  - Demineralized Water System.
  - Fire Protection System.
  - Hydrogen Unit.
  - Re-Boiler System.
  - AUX Boiler.
  - Heat Exchanger.
  - Lube oil & control oil system.
  - Seal oil system.
  - HRSG.
  - RO-plant.
  - Electro chlorination plant.