

Holds a B. Sc. in Mechanical Engineering and has more than 5 years hands-on experience working in maintenance, operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 05/12/1991
Gender : Male
Residence : Damanhour

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2014

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: SynerGEE GAS: modeling and analyzing natural gas networks
: MATLAB: programming as a tool to solve mathematical problems
: AutoCAD: 2D, 3D and mechanical drawings
: Inventor: 3D modeling, assembly, stress analysis and dynamic simulation
: CATIA: 3D modeling, assembly, stress analysis and dynamic simulation
: Olga: simulation of two phases flow
: Aspen Hysys: modeling and analyzing industrial processes and plants

TRAINING COURSES AND CERTIFICATIONS

: Process design course: The course covered the main components of the oil and gas companies such as: P&ID & Basic plant design, automatic process control, Pump and compressor design and operation, fired heater design and operation, and heat exchanger design and operation.
: ICDL, United Nations educational scientific and cultural organization.
: Trainings at:

- ANRPC Petrochemical Company, Alexandria (Aug. 2013):
 - Overview for the company main equipment and processes cycles.
 - Overview for the operation and maintenance for different pumps, valves and heat exchangers.

- APRC (Amreya Petroleum Refining Co.), Alexandria (Aug. 2013):
 - Overview for the company main equipment and production trains.
 - Overview for the operation and maintenance for different pumps, fired heaters and heat exchangers.
- Moharram Bey Training Center, Alexandria (Jul. 2013):
 - Overview for the different refrigeration and HVAC systems.
 - Overview for the normal operation, troubleshooting and maintenance for these systems (practical).
- West Delta Power Plants, Damanhour (Aug. 2012):
 - Overview for the power plants main equipment and operation philosophy.
 - Overview for the control systems and maintenance plans for different pumps, valves and heat exchangers.
 - Attend major inspection for steam turbine 300MW.
- Alexandria Sewage Treatment Company, Alexandria (Jul. 2012):
 - Overview for the plant sewage treatment cycle and operation philosophy.
 - Overview for the treatment techniques and maintenance schedules.
- Mantrac / Caterpillar, Alexandria (Jun. 2012):
 - Overview for the heavy-duty equipment types and operation.
 - Overview for the troubleshooting and maintenance for hydraulic circuits, fuel injection systems and pumps.
- Damanhour Water Station, El-Behira (Jul. 2011):
 - Overview for the plant components and operation philosophy.
 - Overview for the operation and maintenance for different pumps types.

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From Oct. 2017 till Jul. 2020
Employer	:	ELSEWEDY ELECTRIC PSP
Project	:	Beni Suef 4800MW CCPP: <ul style="list-style-type: none"> • 8 Siemens Gas Turbines SGT5- 8000H (8x400MW). • 8 NEM Heat Recovery Steam Generations (HRSG). • 4 Siemens steam turbine SST-5000H (4x400MW). • Pre-water treatment plant produce clarified water (8000 m3/h).
Job title	:	Mechanical Commissioning, Start-up & Maintenance Engineer
Job Description	:	<ul style="list-style-type: none"> • Performed piping pre-commissioning such as hydrostatic test, pneumatic test, flushing and air blowing. • Assisted Siemens team in commissioning (chemical cleaning and steam blowing) for HRSGs and steam turbines. • Performed all mechanical work for static equipment (control valves, filters, strainers and check valves) in HRSGs and steam turbines. • Led the commissioning and startup for Hydrogen gas generation plant. • Performed the commissioning and start-up for Industrial waste water system. • Performed the commissioning and start-up for Sewage water treatment plant. • Worked as BOP Field Operator for cooling water system, Air compressor system and Firefighting system. • Performed the Routines maintenance for all BOP equipment.

- Asset maintenance skills required for efficient maintenance of equipment.
- Performed root cause failure analysis and recommend corrective actions.
- Identified, Investigated and Repaired many systems faults with commissioning team.

Dates : From Oct. 2015 till Sep. 2017

Employer : Egyptian Navy Force

Project : Military Service (Alexandria, Matrouh, Port Said and South Sinai)

Job title : Operation & Maintenance Engineer

Job Description :

- Ship technical description:
 - 2 MTU main engines 3200 HP V-type.
 - 2 MWM aux. engines 244 HP.
 - Electrohydraulic steering system.
- Safe Start-up and Shutdown Operation for all equipment.
- Managed routines maintenance (daily, weekly, monthly, before and after sailing) for all systems.
- Fast Acting in Emergency Cases.
- Performed and record tests for firefighting and alarms systems.
- Initiated RCA and recommend corrective actions to improve the efficiency.
- Supported the engineering team to improve the performance of the fleet.
- Performed the maintenance for the ship hull to maintain the life time long as possible.