

101947-MEC-45MOS-E-2010
Control Room Operation Specialist

Holds a B. Sc. in Mechanical Power Engineering and has about 12 years of valuable experience in maintenance, operation and commissioning of Air Separation Plants and Utilities.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 02/08/1987
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Mechanical Power Engineering, Menoufia University, 2010
: El Delingat High School, 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Cryogenic plant process training from SASPG Company (2012).
: Cryogenic plant operation training from SASPG Company (2013).
: Training at Misr for Spinning and Weaving Company in El-Beheira (Jul. 2009).
: Training in El Gawhara Company for food industries (Sep. 2010).
: Training with Chinese people about gases industry.
: Inventor professional 2012 program.
: AutoCAD 2D
: Basic of Cooling and air conditioning course at Industrial Training Council and Tanta Central Academy which under Ministry of Commerce and Industrial.
: Basic of electrical of cars course at Industrial Training Council and Tanta Central Academy which under Ministry of Commerce and Industrial.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2021 till now
Employer : JAZAN Gasification and Power Company
Job title : Control Room Operation Specialist
Job Description :

- Ensure Safety work is first and achieve EHSSQ policy.
- Ensure Start up is implemented as per SWIMs and vendor recommendations.
- Train operators about field and control room start up and operation.
- Train operators in start-up, shut down, troubleshooting and operate trains in several cases (Turn down, design, Max production).
- Operate Six ASUs running and supply customer with high production and high quality.
- Ensure LOTO is fixed as per isolation plant to support safe Maintenance work.
- Coordinate Operation Maintenance activities.
- Follow up Field work to be accomplish safely.
- Support commissioning team in their work.

Dates : From Jun. 2019 till Nov. 2021
Employer : Gas Integrated Company - GIC is a leading O&M service provider of proven, safe, cost-effective, O&M services of the largest industrial gas complex in the world to supply 75,000 metric tons per day (20,000 oxygen and 55,000 nitrogen) to Saudi Aramco's refinery in Baish Jazan economic city
Job title : Panel Operator
Job Description :

- Responsible for start-up and operate for 6 Air separation trains.
- Starting, monitoring the process as per design.
- Main Air Compressor, Capacity 500000 NM3/hr, Siemens Made.
- Booster Air Compressor, Capacity 130000 NM3/hr, Siemens Made.
- DCAC, water pumps Air Products Made.
- TSA, AP Made.
- Cryogenic Process Pumps and Back up pumps, Cryostar Made.
- Air Expanders, Cryostar Made.
- Dense fluid expander, waste Expander, Siemens Made.
- Liquid Storage tanks capacity 10000 m3, 8000 m3.

Dates : From Jan. 2016 till Jun. 2019
Employer : Suez Steel Company
Job Description : Process Engineer for cryogenic Air separation units produced 750 TPD O2, 250 TPD N2 and 20 TPD Ar:

- Identify, prioritize and execute projects in support of critical product and process issues required to maintain or increase profitable sales growth, with appropriate management and customer input.
- Employ lean manufacturing practices to improve manufacturing operations, reduce scrap, improve efficiencies and reduce cycle times.
- Implement process control improvements to reduce product variability.
- Provide operator feedback and training on products, processes and systems.
- Support root cause analysis and corrective action in a timely manner.

- Prepare material selection designation (diagrams) for plant requirements.
- Calculate plant recoveries and utility requirements.
- Provide information throughout the various proposal, engineering and construction phases to the proposal and project teams with regard to all aspects of process engineering.
- Incorporate new methods and processes to improve existing operations.
- Plan and establish sequence of operations to fabricate and assemble parts or products and to promote efficient utilization.
- Review production schedules, engineering specifications, orders and related information to obtain knowledge of manufacturing methods, procedures and activities.
- Draft and design layout of equipment, materials, workspace to illustrate maximum efficiency using drafting tools and computer.

Dates : From Jul. 2012 till Dec. 2015

Employer : Suez Steel Company

Job Description : Operation Shift Charge Engineer, responsible for operation, start-up, monitoring and process for cryogenic plant with capacity Nm³/h (750TPD O₂, 250 TPD N₂, 20TPD Ar):

- Air compressor (centrifugal) - Make: Cameron, capacity - 112000 Nm³/hr.
- Expansion Turbine - Make: Cryostar, Capacity – 28000 Nm³/hr.
- Chiller – Make: Carrier.
- Booster Air Compressor (centrifugal) – Make: Cameron, Capacity – 69000 Nm³/hr.
- Cryogenic pumps (centrifugal and reciprocating) – Make: Cryostar, 460 l/min.
- Booster – expander compressor (centrifugal), capacity 40000 Nm³/h.
- Water pumps (double suction) – capacity 1500 m³/h.
- Chiller and cooling water pumps (single suction & double suction) 240 t/h.
- Rectification Column.
- Main Heat Exchanger.
- Cooling Tower – Make: Capacity – 3000 m³/hr.
- Cryogenic Storage Tanks – 1500m³, 750 m³, 100 m³, etc.
- Pulsating type self-cleaning filters – 112000 Nm³/hr.
- Pneumatic Valves, manual Valves, safety Valves, expansion valves.

Dates : From Oct. 2010 till Jun. 2012

Employer : EGYPT GULF Company for industrial gases - services in the field of Oil and Gas & medical (liquid O₂, liquid N₂, gas O₂ and gas N₂)

Job title : Mechanical Operation & Maintenance Engineer (Dept.: Air separation plant)

Job Description : Responsible for maintenance and operation for mechanical equipments like:

- Air Compressor (centrifugal), make: Atlas Copco, capacity 6000Nm³/h.
- Expansion turbine: Reaction, make: Cryostar, capacity 6000Nm³/h.
- Booster compressor (centrifugal): capacity 12000 Nm³/h.
- Main heat exchanger.
- Booster expander compressor (centrifugal).
- Water pumps: centrifugal pumps.

- Rectification column.
- Cryogenics storage tanks.
- Cryogenics pumps, make: Cryostar.
- Pneumatic Valves, manual Valves, safety Valves.
- Cooling Tower.
- Refrigeration unit.

- Field of experience :**
- Overview:
 - ASU Control Room Operation Specialist.
 - ASU Operation Specialist.
 - ASU Process Engineer.
 - ASU Operation Engineer.
 - Operation & Maintenance Engineer
 - Valuable experience in:
 - Commissioning.
 - Process control.
 - Start-up.
 - Operation.
 - Shut down.
 - Trouble shooting.
 - Achievements:
 - Commissioning industrial gases complex with 6 Air separation units (75000TPD).
 - Start-up industrial gases complex with 6 Air separation units (75000TPD).
 - Commissioned 750 TPD Air separation plant.
 - Started up 750 TPD Air separation plant.
 - Participated in Plant overhauling.
 - Shut down the plants.
 - Monitor during normal operation.