

101947-MEC-5MOS-E-2010
Mechanical Maintenance Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 7 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 : Cairo

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).
: 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 Jul. 2012 till now
Employer : Suez Steel Company
Job title : Mechanical Maintenance Engineer for Air Separation Plant
(produces 750 TPD Oxygen, 250TPD Nitrogen and 20TPD Argon)
Job Description :

- Carry out Maintenance activities for the plant rotating equipment (Centrifugal Air compressors, Water pumps, cryogenic process pumps, cryogenic back up pumps, turbo-expander) to ensure reliability of the plant.
- Carry out maintenance works for static equipment (Heat exchanger, pre-cooling towers, water cooling towers, pipes and valves, tanks).
- Make preventive maintenance schedule to avoid machines failure.
- Check preventive maintenance jobs to ensure the machines in normal operation.
- Make sure that the plant is delivering the products as per quality and quantity to avoid problem in DRI plant and Melt shop plant by operating the plant as per manual.
- Monitor the rotating equipment parameters (Flows, pressures, temperatures, lubrication oil levels and seal gas) to avoid any problem for it.
- Monitor plant parameters as per manual to ensure the high production with high quality.
- Start-up and shut down the plant with sensitive actions to keep the plant machines health in high level.
- Operate the plant as per designer company procedure.
- Participate in centrifugal Air compressors overhaul.

Dates : From Oct. 2010 till Jun. 2012
Employer : GULF Company for industrial gases
Job title : Mechanical Maintenance Engineer (Dept.: Air separation plant)
Job Description :

- Operate the plant with shift leader and check production as per quality and quantity.
- Make predictive maintenance jobs for Rotating equipment to avoid failure.
- Follow preventive maintenance schedule Rotating equipment every hour.
- Participate in pumps overhaul.
- Check water treatment to avoid pipes Rust.
- Check machines health like (Atlas Copco compressors, cryostar turbo-expander, cryostar cryogenic pumps, water pumps).
- Start-up and shut down the plant as per procedures.

Field of experience :

- Pre-commissioned 750 TPD cryogenic plant.
- Commissioned 750 TPD cryogenic plant.
- Commissioned (centrifugal Air compressors, Air pre-cooling tower, Purification system, fins plate heat exchanger, cryogenic pumps, distillation tower, cryogenic liquid tanks and turbo-expander).
- Start-up the plant with manual procedure.
- Train operators and maintenance technicians.
- Operate machines as per Manual procedure.