

Holds B. Sc., M. Sc. and PhD in Mechanical Power Engineering and has about 5 years experience working in construction and maintenance.

## PERSONAL DATA

Nationality : Egyptian  
Gender : Male  
Residence : Beni Suef

## EDUCATION

- : B. Sc. in Mechanical Power Engineering, Al-Azhar University, 2018
- : M. Sc. in Mechanical Power Engineering, Al-Azhar University, 2021
- : PhD in Mechanical Power Engineering, Al-Azhar University, 2022
- : Bilfya High School, 2013

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : Matlab
- : AutoCAD
- : Solid Works
- : ANSYS (Fluent)

## TRAINING COURSES AND CERTIFICATIONS

- : Training at Egyptian Co. for General Contracting & Supplies, Beni Suef (2018): Worked as a Heavy Equipment Maintenance Engineer involves checking, repairing and servicing machinery, equipment, systems and infrastructures.
- : Ministry of Electricity & Renewable Energy (NREA), Nasr City (2018):
  - Attended sessions about Wind, Solar Photovoltaics (PV), Geothermal, Grid integration, Transmission and Distribution.
  - Attended maintenance workshop of wind turbine, solar collectors and vacuum tubes.
  - Took a round in Zafranaa Wind Farm and El-Kureimat Solar Power Plant.

- : Petroleum Marine Services Co. (PMS), El-Beheira (2017):
  - Attended sessions about Marine pipelines design and construction, Oil and Shipping Operations, Basic Offshore Safety Induction, types of welding operations and non-destructive tests (NDT).
  - Attended Jacket Offshore Platform Definition and Analysis of offshore jacket platform.
- : The Petroleum Projects & Technical Consultations Co. (Petrojet), Qesm Ad Dekhilah, Alexandria (2017):
  - Attended sessions about Lifters, Difference between SMAW, GMAW, FCAW and GTAW processes.
  - Attended sessions about Non-destructive Testing and NDT Inspection Services.
- : Engineering Automotive Manufacturing Co. - Helwan, Cairo (2017):
  - Attended sessions about Crank and Cam Shaft Production Lines.
  - Participated in Complete Overhaul for Diesel Engine.
  - Installation of Back differential and Gear box.
- : Egypt Air, Cairo International Airport (2016):
  - Attended sessions about aviation and airplane maintenance.
  - Attended maintenance workshop of CFM International, which took place at Egypt Air Training Centre.
- : Egyptian Electricity Holding Co. - 6th of October City, Giza (2016):
  - Attended sessions about Brief introduction about Gas Turbine Components and Auxiliary Systems.
  - Attended maintenance workshop of Gas Turbine and Compressor.
- : Petrojet Company equipment and warehouse management, Badr City, Cairo (2015):
  - Attended sessions about Theory of Diesel Engine, Hydraulic cycle, Directional Drilling.
  - Attended maintenance workshop of Heavy Equipment, Complete Overhaul for Diesel Engine.
  - Took a round in Pump room troubleshooting and Understood the main parts and theory of operation.
- : The world Experts Centre for Training & Consultancies (WECTC), 6th of October City, Giza (2015): Attended a session about Turbomachinery (pumps, Gas Compressors & Turbines, Vibration, Machine alignment).

## CHRONOLOGICAL EXPERIENCE RECORD

<b>Dates</b>	: Present
<b>Employer</b>	: Reliance Heavy Industries (RHI)
<b>Project</b>	: Arabian Cement Project – ACC
<b>Job title</b>	: Senior Mechanical Area Engineer
<b>Job Description</b>	: <ul style="list-style-type: none"> <li>• Area Responsibility:           <ul style="list-style-type: none"> <li>- Rotary Kiln (FLSmidth).</li> <li>- Crusher (FLSmidth).</li> </ul> </li> <li>• Achievements:           <ul style="list-style-type: none"> <li>- Replace inner pipe one time for FLSmidth line.</li> <li>- Replace tertiary air damper at two times for FLSmidth line.</li> <li>- Erect shims under rotary kiln bolted shear pads according to calculations.</li> </ul> </li> </ul>

- Replace crossbar cooler bullnose one time for FLSmidth line.
- Replace complete chain for Pan Conveyor (AUMUND).
- Replace complete set of hammers in mix crusher and make static balance for it.
- Replace inlet roller in mix crusher and change membrane plates for torsional shaft.
- Replace all feed gates in CF-silo and change all fabric in silo, air slides and feed bin in FLSmidth line.
- Replace kiln support roller at least two times and make skewing at least two times.
- Replace lamella seal at least two times for kiln inlet and discharge.
- Erect shims under all kiln support rollers according to FLSmidth recommendation for lifting of rotary kiln.

**Dates** : Present (part time)  
**Employer** : Al-Nahda University – NUB  
**Job title** : Assistant Lecturer  
**Job Description** :

- Preparing and delivering lectures, tutorials, workshops, and seminars.
- Developing curricula and course material that can be used across several platforms.
- Collaborating with other academics and lecturers to improve teaching methods and expand the knowledge base.
- Setting and grading assignments, tests, and exams.
- Conducting research, and writing papers, proposals, journal articles, and books.

**Dates** : 2022  
**Employer** : Arab Swiss Engineering – ASEC  
**Project** : Wadi El-Nile Cement Project – WNCC  
**Job title** : Senior Mechanical Area Engineer  
**Job Description** :

- Area Responsibility: Rotary Kiln (FLSmidth).
- Role involved:
  - Analyzing problems and coming up with designs to solve them.
  - Working within the budget to deliver safe and efficient products on time.
  - Allocating resources and time effectively.
  - Liaising with internal and external stakeholders.
  - Attending meetings and providing input and updates.

**Dates** : 2022  
**Employer** : Misr Beni Suef Cement – MBCC  
**Job title** : Senior Mechanical Area Engineer  
**Job Description** :

- Area Responsibility:
  - Rotary Kiln (Fuller and Polysius).
  - Coal Ball Mill (Polysius).
  - Pan Conveyors.
- Role involved:
  - To serve as a role model in the areas of safety, environmental stewardship, leadership, teamwork, customer focus, and continuous

- improvement to ensure alignment with the company s vision and critical success factors.
- Work with supervisors of maintenance (mechanical and electrical) to ensure optimal performance and efficiency of maintenance activities.
- Review engineering specifications/drawings and propose design modifications to improve reliability within cost and other performance requirements.
- Monitor equipment performance and evaluate equipment history and failure trends to determine sources of poor component performance.
- Achievements:
  - Replace inner pipe at least two times for Fuller line and two times for Polysius line.
  - Kiln Hood overhaul.
  - Replace tertiary air damper at least two times for Fuller line.
  - Replace complete set of nose ring, shelf and z-plate segments of the kiln of fuller and Polysius.
  - Install shims under rotary kiln pads according to calculations.
  - Replace all floating shear pads with retaining ring in rotary kiln.
  - Replace grate cooler Bullnose at least three times for Fuller line and four times for Polysius line.
  - Replace all grate cooler plates: lower, upper and side cast plate.
  - Replace all feed gates in HOME-silo and change all fabric in silo, air slides and feed bin in Polysius line.
  - Replace main drive sprockets segments, complete chain, hollow shaft, gear coupling, bask stop, and driven shaft bearings for Pan Conveyors (AUMUND).
  - Replace hammers in clinker crusher for fuller and Polysius lines and make static balance for it.
  - Replace piston seal at one time for kiln inlet for Fuller line.
  - Change all auxiliary drive unit component for Polysius rotary kiln and male alignment for it.

**Dates** : 2020

**Employer** : DAM Group Trading

**Job title** : LIEBHERR Service Engineer

**Job Description** :
 

- Using various strategies and tools to provide effective solutions to customers' concerns.
- Communicating with clients, engineers, and other technicians to ensure that services are delivered effectively.
- Promptly following up on service requests and providing customer feedback.
- Monitoring equipment and machinery performance and developing preventative maintenance measures.
- Conducting quality assurance and safety checks on all equipment.
- Conduct site visits to resolve all breakdowns and to ensure customer satisfaction. Evaluate and analyze incoming warranty claims.
- Establish, promote and maintain excellent rapport with all stakeholders.

**Dates** : 2020  
**Employer** : Techno Hydraulic Co.  
**Job title** : Mechanical Sales Engineer  
**Job Description** :

- Searching for new clients who could benefit from your products in a designated region.
- Establishing new, and maintaining existing, relationships with customers.
- Managing and interpreting customer requirements.
- Persuading clients that a product or service will best satisfy their needs.
- Offering after-sales support services.

**Dates** : 2018  
**Employer** : Egyptian Company for General Contracting and Supplies  
**Job title** : Junior Maintenance Engineer – Heavy Equipment  
**Job Description** :

- Leading a group of workers in the site Workshop preserving scheduled preventive maintenance intervals and repairing damages and malfunctions for heavy equipment earth movers such as loader, bulldozer and excavator.
- Make monthly, weekly and daily maintenance report for the factory servicing equipment.
- Performing all minor and major repairs, engine and transmission overhauling, hydraulic cylinder and pump repairs, brake system repairs, under chassis repairs and welding repairs.
- Prepare requisitions for the issue of correct materials, tools and safety equipment.

**Dates** : 2018  
**Employer** : Misr University for Science and Technology  
**Job title** : Teaching Assistant (TA)  
**Job Description** :

- Provide teaching assistance to faculty during normal course delivery, tutorials, and workshop and laboratory sessions.
- Support faculty and students in resourcing and implementation phase of student projects, as required.
- Perform teaching duties as required.
- Demonstrate the use of machines, tools and equipment within the lab.

**Dates** : 2016  
**Employer** : Vodafone, 6th of October City, Giza  
**Job title** : Customer Service Agent  
**Job Description** : Role involved responding to customers over the phone and resolving their inquiries.