

**105753-MEC-56CEM-E-2016**  
**Mechanical Site & Technical Office Engineer**

Holds a B. Sc. in Mechanical Power Engineering and has over 6 years experience working as Mechanical Power Engineer (Projects, Installation, Steel Structures, NDT and Fabrication, HVAC, Fire Fighting, Plumbing & Maintenance) with experience in Heavy Industrial Plants, MEP.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/10/1990  
Gender : Male  
Marital Status : Single  
Residence : Helwan, Cairo

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Assiut University, 2016

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: MS Project  
: Adobe Photoshop

## TRAINING COURSES AND CERTIFICATIONS

: AutoCAD  
: HVAC.  
: Fire Fighting.  
: Plumbing.  
: Vibration Analysis (self-study).  
: Smart Draw 2010  
: Trainings at:

- Seeds Company in Assiut (Jul. 2013).
- Hodlipharma Company in Assiut (2013).
- Egyptian Aluminum Company, Naga Hammadi (Aug. 2013).
- Egypt Air Company for Ground Service and Heavy equipment (Jul. 2014).
- Assiut Cement Company - Cemex (Aug. 2014).

- El-Maadi Company for Industrial Engineering factory 54 (Jul. 2015).
- Mansour Chevrolet (2015).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2019 till now
- Employer** : The Arab Contractors - Osman Ahmed Osman & Co.
- Projects** :
- The New Administrative Capital (Aug. 2021 till now)
  - El-Alamein Towers LD-08 (High Rise Building) (Jan. 2021 – Aug. 2021)
  - Greater Cairo Metro Line 3 (Mar. 2019 – Dec. 2020)
- Job title** : Mechanical Site & Technical Office Engineer
- Job Description** : Electro-Mechanical Projects (MEP, HVAC, Fire Fighting, ...):
- Greater Cairo Metro Line 3 (Technical Office):
    - Preparing Shop Drawings like HVAC, Fire Fighting and As-Built Drawings and Ensure Documentation and Records in Use are Reviewed Approved by The Consult.
    - Prepare Technical and Material Submittals for (Suppliers – Equipment...).
    - Check the Quality of the Work Executed.
    - Preparing Co-Ordination Drawings for All MEP Services.
    - Preparing Risers Co-Ordination Drawings, Preparing Sectional and Detailing Drawings.
    - Import All Shop Drawings like HVAC, Drainage Fire Fighting.
    - Responsible for The Procurements.
  - Mechanical Site Engineer at Maspero Station (Systra consulting):
    - Solving Site Problem.
    - Reviewing the Shop DWG and Coordination DWG with Site.
    - Managing the Implementation of Work According to (Schedule, Shop DWG).
    - Coordination Site Works with Other Discipline and HVAC System Recommendation.
    - Handling Day -To-Day Site Activates.
    - Responsible for All HVAC & Fire Fighting and Mechanical Installation Works.
  - El-Alamein Towers LD-08 (High Rise Building):
    - Review and Study Project Documents.
    - Re-check the Design Drawings & to Assure that its Compatibility with the Standards.
    - Preparing Submittals for (Suppliers –Equipment...).
    - Preparing Shop Drawings like HVAC Systems, Fire Fighting.
    - Review for Access in Site & Make Handover in Terminal Site.
    - Solving Problems with Consultant & Coordinate with Other Contractors.
  - The New Administrative Capital – The Military Entity (Octagon Building):
    - Studying All Projects Shop Drawings.
    - Overall Quality Supervision for MEP Works.
    - Coordinate with Consultant for Inspection Activities Issued RFI.
    - Coordinate with Technical Office & Site Work.
    - Coordinate with All Disciplines Regarding Scope of Work.
    - Review All Materials Received on the Site and Inspection them Ensuring they are Approved.
    - Solving Problems with Consultant & Coordinate with Other

- Contractors.
  - Follow Safety Rules & Regulation at Different Hazards Area.
- The Senators Building:
  - Review the Tender Documents and the Project Program.
  - Project Contract and Subcontract Agreements Review.
  - Establishing the Internal Work Plan for the Project Based on the Project Program.
  - Preparing Manpower Histogram, and Cash Flow Plan and Ensure Positive Cash Flow.
  - Establishing the Internal Work Plan for the Project Based on the Project Program.
  - Reviewing Engineering Calculations.
  - MEP Shop Drawings and Material Submittal Supervision and Ensuring that it is in Line of Project Documents Requirements, Authorities' Regulations, and Direct Approach with Consultant to Ensure Approvals.
  - Materials and Long Lead Items Orders Planning and Follow up as per Site Conditions and Program or Works.
  - Closing Deals with Suppliers: Technical Discussions of Product Quality and Compliance with Specifications, Payment Terms, Expected Delivery Dates, Installation Requirements, O&M Manuals, and Warrantees.
  - Itemized Costing, Budgeting, and Project Analysis.
  - Attending Weekly Progress Meeting with Client Representatives, Project Management Team, Consultants, Main Contractor and Subcontractors.
  - Ensure Timely Completion of the Project Within (Or Better Than) Budget and Hand Over Perform Daily Inspection and Visit the Site to Assess the Daily Work Progress and Solve Any Works Obstacles.
  - Monitor Performance of Project Team for Quality and Productivity, and Take Necessary Action for Improvement, If Needed.
  - Monthly Progress Invoices and Variation's Preparation and Follow up with Consultant /Client up to the Approval and Collection.
  - Official Correspondences with the Main Contractor, Sub-Contractors, Suppliers, and Head Office.
  - Organizing Weekly Internal Meeting with Engineering and Related Staff, Meant for Work Planning Work Progress Monitoring and Project Milestones Tracking.
  - Staff Training, Guidance, and Evaluations.
  - Proposing of Alternative Specification's to Meet Client Budget.
  - Value Engendering Proposing Alternative and Energy Consumption Efficient Systems.
  - Follow up with the Local Authorities for Temporary and Permanent Approvals.
  - Ensuring Work Execution in Very High Standards as per Project Documents, Authorities' Requirements and up to Consultant/ Client Satisfaction.
  - Submitting Work Progress Reports in Weekly and Monthly Basis and Reporting to the Senior Management.
  - Ensure that the Work is in Line with the Specifications, Procurement, Approved Shop Drawings and Complete the Work in the Best Possible Way and Rectify All Detects and Complaints

within the Defect Liability Period Ensure that the Final Payment Has Been.

- Ensure that the QHSE Rules and Regulations are Followed Strictly at Site by Project Team.

**Dates** : From Dec. 2018 till Mar. 2019  
**Employer** : Soulintec-Encon for Integrated Solutions W.L.L - Petroleum Service Co. (Oil and Gas) - El-Nile Company for Marketing Oil  
**Job title** : Mechanical Maintenance Engineer  
**Job Description** :

- Maintenance of Fuel Oil System (Tanks, Valves, Lines, Traps, Filters, Pumps, etc.)
- Maintenance of Skid (Strainers, Gate Valves, Isolation Valves, Diff Pressure Gauge, Coriolis Mass Flow Meter, Digital Control Valve, Vent Air, etc.).
- Responsible for Operation, Maintenance Fire Fighting Room from (Jokey Pump, Elect Pump, 3 Diesel Pump, Valves, Lines, etc.).
- Responsible for Operation, Maintenance 12 Pump (Drainage Pump, Cooling Pump, Sewage Pump, Industrial Drainage Pump, Submersible Pump, etc.).
- Responsible for Maintenance Administrative Building (Fire Fighting, HVAC, Plumbing, Fans, etc.).
- Carrying Out All Job Risk Assessment, Controlling the Safety Rules on Maintenance Activates.
- Preparation of Daily, Monthly and Yearly Plant Reports and Work Notifications Requests.
- Daily Checkup for All Equipment's, and Monitor All Gauges.
- Planning of Maintenance Works and Managements of Spare Parts.
- Coordination with Maintenance Groups for Heavy Maintenance Work.
- Ensuring Close Adherence to Safety, Environmental and Quality Requirements.
- Analyze Equipment Operating Problems, Make Recommendation and Carry Out Repair Work.
- Ensure All Spare Parts Recourses are Readily Available Prior to Execution of Work.
- Provide Studies of Equipment's Failure and Identify Corrective Action.
- Perform Budgeting, Times Scheduling, Planning of the Maintenance Parts in the Site.

**Dates** : From Jan. 2017 till Dec. 2018  
**Employer** : The International Company for Construction and Special Maintenance (INTERMAINT)  
**Projects** :

- Misr Beni Suef Company (MBCCOM): New Project of (COAL MILL GRINDING PLANT 2), Responsible for All Pipeline in this Project such as Compressor Room, Air-Pipeline and Pipeline of (Coal, Co2, Water and Fire Fighting), Steel Structure, Ducts and Beside of Mechanical Works in this Project (Thyssen-Krupp Industrial Solution-TKIS)
- ASEC El-Minya Company (MCC): Demolish and Installation Top Box of House Bag Filter Includes Bags, Cages, Air-Pipelines System, Mechanical Work in Vertical Raw Mill and Static Separator, Steel Structures (ASEC Engineering is the Client)
- El-Kattameya Cement Plant: Dismantle the Old Clinker Cooler Filter

Gravel System and Install New System Including Heat Exchanger, House Bag Filter, I.D Fan Backward Type, Ducts (F.L- Smidth)

- Lafarge Holcim Egypt: Kiln Line 1, Esp. Conversion To FF, By Bass GCT, New Spraying System and Clinker Cooler Esp. 1st Retrofit (F.L-Smidth)
- El-Amreah Inter-Cement Plant: General Maintenance Including, Belt Conveyors, ID Fans, Belts, Bag Filter, Gear Box, Pumps, Raw Mills (Lifter, Linear, Diaphragm, Ducts, Journal Bearing), Bearing, Sheet Metals, Ducts, Kiln Hood, Beams, Journal Bearing, Pipeline, Rotor Shaft, Coupling, Shrink, Cyclone Preheater, Screw Conveyors, Rotary Kiln Drive Assembly, Air Slide, ...
- CEMEX Egypt: Installation Three Belts With Granulators of Condition By Pass Line 1 & 3, Chain Conveyor, Inlet And Outlet Turning Gear, Gear Box, Girth Gear, Four Bearing, Tow Pinion, Tow Journal Bearing Of Turning Gear Cement Mills No. 8 And 5--- New Static Separator At First Line With Ducts, Pneumatic Gate Damper (12) Gate Of House Bag Filter Line One, Tow Down Comer Duct At Preheater Line 2, By Pass Chimney, Tow ID Fans, Air-Slide, Steel Structure, Sheet Metal, Biomass, Shredding Area, Hydraulic Oil System, Russian Crusher, Fabric Filter, Air Slide Structure, Stack, GCT, FD Fan, Chink Belts, Chart Belts, Five Gear Box Of Raw Material Belts, Coupling, Rotary, Rotor Shaft, A Lot Of Maintenance Works, ...etc.
- Cranes Used in Sites (of the 700 Tons To 40 Ton)

**Job title** : Mechanical Site Engineer

- Job Description** :
- Responsible for about (50-150) of Manpower (Administrative, Supervisors, Technicians (Fitters), Welders, Riggers, Scaffolds, Helpers) - The Number Varies from Project to Another.
  - Ensure Safety Guidelines are Followed on All Job Sites.
  - Responsible for Implementation and Monitoring of All Mechanical Work at Site.
  - Scheduling the Inspection Invitations with Client.
  - Solve Technical Issues That Arise Daily on Site.
  - Plan and Analysis All Possible Installation Methodologies and Recommend the Best Options.
  - Review Engineering Design Package for Installation Issues and Lesions Learned.
  - Check That Material and Equipment Are Correctly Received, Stored, Identified, Traceable and its Certificates.
  - Supervision Installation of Projects According to (POLYSIUS & F.L-Smidth) Drawing.
  - Manage Directly and Provide Technical Knowledge to the Group.
  - Installation Rotor & Static Mechanical Equipment's (Arrangement, Leveling, Centering and Grouting Procedure and Specification), Alignment Rotor Mechanical Equipment's.
  - Check All Mechanical Working "Maintenance" from Alignment, Clearance, Gap and Operation.
  - Establish Communications with Design to Resolve Field Problem and Assists the Mechanical Superintendent and Area Engineers in Solving Equipment Problems.
  - Review WPS and PQR for Piping & Steel Structure According to Specs ASME IX, EEMU 158.
  - Review Quality Control Plans, ensure that the Tests, Controls and

Inspections are Carried Out According to Quality Control Plans/Inspection Test Plans.

- Follow up and Monitoring Welding, PWHT, Hardness and Erection Activities in Workshop.
- Responsible for All Multi-Discipline Inspection & Construction Activities in All Phases of Construction / Pre-Commissioning / Commissioning Work for: Rotating, Static Equipment.
- Follow up with Construction to make the Hand Over.
- Release Punch Points.

**Dates** : From Aug. 2016 till Dec. 2016  
**Employer** : El-Badrey for Integrated Contracting  
**Project** : Center of Youth in New Assiut  
**Job titles** : Mechanical Site & Technical Office Engineer  
**Job Description** :

- Design Overflow Swimming Pool Half Olympic (25\*12.5 m2) and Swimming Pool for Children.
- Implementation Fire Fighting Room.
- Monitoring Plumbing Works.