

# Ahmed Mustafa Ramadan Mohammed Khalifa

Mechanical Affairs Manager

(Foundation Machines & Heavy Equipments Maintenance & Repair)



Riyadh – Saudi Arabia



Ahmed Elwekeel



(+966 – 509422196) ... (002 – 01277099489)



ahmed\_egyeng@yahoo.com



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During the working in the construction and the foundation fields for more than 18 years in the central workshop and the sites in the Arab contractor's company, self-employed in Egypt and Alfanar Construction Company in Saudi Arabia.

I have the experience in the maintenance, the repair and the operation works for the different types of the machines and the equipment's

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## TECHNICAL SKILLS

The foundation machines, the heavy equipment's and the hydraulic systems maintenance & repair

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## WORK EXPERIENCE

**2025 / 09 – Current ( KSA ) Central Workshop Manager (Maintenance & Repair)**

**Alfanar Construction Company – Saudi Arabia – Riyadh**

Responsible about the Equipment's & the Trucks .

- Technical Review before purchasing the new equipments & trucks ...  
Excavators , wheel loaders , backhow loader , skid steer loader , telescopic handler ,  
Single roller compactor , trucks , boom truck ,.....etc
- provide the brands name and the recommended agents .
- Technical Review and the approval for the old equipments & trucks to be depreciated .
- Provide technical support and troubleshooting for equipment issues on-site.
- Do visits for the sites for inspection & evaluation for the equipments , machines & ensure The site requirements for the oils , filters , spare parts .
- Record the site visit report .
- Oversee the maintenance, repair, and utilization of all machinery and vehicles .
- Ensure all equipment is in optimal working condition and meets safety standards .

- Perform technical comparison between different equipment models to identify the difference in specifications .
- Maintain records of equipment usage, maintenance, and repairs .
- Monitor and control maintenance and repair costs & approval .
- provide the maintenance procedures for the equipments to the responsible about the maintenance & repairs in the sites

**2023 / 09 – 2025 / 09 ( KSA ) Mechanical Engineer Equipment's (Maintenance & Repair)**

**Alfanar Construction Company – Saudi Arabia – Tabuk**

Responsible about the Equipment's & the Vehicles for NEOM Construction Villages Projects (6 Projects )

- Doing the periodical maintenance for the equipment's & Vehicles
- Prepare the needs for the required oils , filters and greases for the periodical maintenance
- the needs for the spare parts
- the repair for the equipment's in the sites

**2022 / 09 – 2023 / 09 Foundation Machines & Heavy Equipment's Engineer**

Freelance ( Self Employed ) – Cairo

Doing the maintenance and the repair for the foundation machines and the equipment's in the customers sites

**2022 / 01 – 2022 / 09 Mechanical Affairs Assistant Manager**

**2019 / 10 – 2022 / 01 Senior Mechanical Engineer Heavy Equipment's**

The Arab Contractors Company - Bridges and Specialized Structure Department - the central work shop - Responsible about The Different Types of the Heavy Equipment's and The Hydraulic

- the maintenance and the repair for the equipment's
- the required spare parts
- the repair for the equipment's in the sites
- the overhauling for the internal combustion engines
- the complete overhauling for the equipment's
- the trucks
- understanding the catalogues ( the operation and maintenance , the spare parts , the hydraulic schematic ) for the machines

**2015 / 12 – 2019 / 10 Foundation Machines Maintenance and Repair Engineer**

The Arab Contractors Company - The Foundation Department - At The Sites

( Cairo metro line 3 – phase 3 ( 2.4 m diameter ) , Cairo metro line 3 – phase 4 (2.4 m diameter) , juhaina bridge , east quay branch ( 72 m depth ) , road elfarag corridor ,.....)

Responsible about the Foundation Machines and the Equipment's

- the periodical maintenance plan
- the maintenance and the repair for the hydraulic circuits , the internal combustion engines ,.....

- the required spare parts , steel wire ropes
- the required different types of oils and the fuel
- understanding the catalogues ( the operation and maintenance , the spare parts , the hydraulic schematic ) for the foundation machines and the equipment's
- doing the lifting plans for the objects in the sites
- the bentonite mixing plant
- the required wear parts ( teeth , pits ,..... )
- the foundation drilling tools ( kelly bars , buckets , augers ,..... )

**2013 / 06 – 2015 / 12                      Mechanical Engineer Heavy Equipment's & Hydraulic**

The Arab Contractors Company - Bridges and Specialized Structure Department – At the central work shop - Responsible about The Different Types of the Heavy Equipment's and The Hydraulic

- the maintenance and the repair for the equipment's
- the repair for the equipment's in the sites
- the complete overhauling for the equipment's
- the hydraulic workshop needs
- understanding the hydraulic system components and circuits for any machine
- understanding the catalogues ( the operation and maintenance , the spare parts , the hydraulic schematic ) for the machines

**2009 / 12 – 2013 / 06                      Tower Cranes Engineer**

The Arab Contractors Company - Bridges and Specialized Structure Department – At the central work shop & The Sites - Responsible about The Different Types of The Tower Cranes

- the tower cranes ( erection , dismantling , maintenance , repairs ) at the sites
- the periodical maintenance plan
- the required spare parts , steel wire ropes
- understanding the catalogues ( the operation and maintenance , the spare parts )

**2008 / 11 – 2009 /12                      Site Mechanical Engineer**

The Arab Contractors Company - Bridges and Specialized Structure Department – At Alameriya Pumping Station Project

Responsible about the mechanical site works , the operation , the maintenance and the repair for the concrete patching plant and the equipment's in the site

**2008 / 07 – 2008 / 11                      Mechanical Engineer**

The Arab Contractors Company ( Osman Ahmed Osman & Co ) – Cairo

**Production and Erection Engineer**

Advanced Building Company                      Familiar with The Built Up Sections Assembly and Erection

## Hydraulic Maintenance Engineer

Hydraulic Misr Company Familiar with The Maintenance Works for The Hydraulic Systems Components

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### EDUCATION

2000 / 09 – 2005 /05

**Bachelor Sciences Of Mechanical Power Engineering**

Total Grade : Good -- Faculty Of Engineering Elmataria – Helwan University – Cairo – Egypt

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### TRAINING COURSES

Courses in The Arab Contractors Company ( Osman Ahmed Osman & Co )  
the Institute for Construction Engineering and Management Technologies

- Courses in Preparation and Qualification for a Mechanical and Electrical Fresh Graduate Engineer
  - Course in Lifting Equipment's
  - Course in The Hydraulic Machines and Systems
  - Course in The Major Overhauling of Diesel and Petrol Engines
  - Course in Operation and Maintenance for the Mobile Cranes
  - Course in The Hydraulic Pumps
  - Course in Power Transmission
  - Course in Basic of Hydraulic Circuits and Components
  - Course in Erection and Dismantling the Potain Tower Crane type GTMR 386B self erecting crane at The Forms and the specialized works Department
  - Visit to potain Tower Cranes Company --- in France  
the academic center , the test center , self erecting tower crane factory
  - Course in Application of the PLC in the Control of Pneumatic and Hydraulic systems  
in the Society of Mechanical Engineers
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### COMPUTER SKILLS

- Microsoft Office

- AutoCAD 2D&3D

- Internet

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### LANGUAGES

- the Arabic : Mother Tongue

- The English : Very Good

- The Germany : still learning