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# KHALED AHMED MAHROUS

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Dubai, United Arab Emirates • +971 56 104 0877 • [Khaled.mahrous77@gmail.com](mailto:Khaled.mahrous77@gmail.com)

[in linkedin.com/in/khaled-ahmed-mahrous-300833147/](https://www.linkedin.com/in/khaled-ahmed-mahrous-300833147/)



## Certified Mechanical Engineer

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### Summary

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A Licensed Mechanical Engineer with Extensive Practical Experience working with diverse systems and equipment. Solid professional knowledge base built upon formal education and on-the-job training from Master Mechanical Professionals in the Market Industry.

With Creative problem-solving skills, and decisiveness to develop Effective Repair Solutions Autonomously. Reducing man-hours and improving efficiency is my Game!

Strong critical thinking ability to assess and diagnose issues. With a Great Friendly manner and ability to communicate well with customers and other technicians. Excellent Work Ethics and Time Management Skills to complete jobs efficiently with minimal oversight.

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### Work experience

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June 2016 - Oct 2018

Heavy Equipment Maintenance Engineer

*Egyptian Contracting Company (Mokhtar Ibrahim) S.E.D.E.*

**Societe Egyptienne D'entreprises** (S.E.D.E) is One of the Leading Construction Firms in the Middle East. Engineer Moukhtar Ibrahim founded **Societe Egyptienne D'entreprises** in 1936.

Our experience is widely diversified and covers a wide spectrum of the Construction Industry and its related services including; Waste Water Disposal, Potable Water, Public Buildings, Roads, Bridges, Housing, Power Stations, Electromechanical works...

Expanding Globally in Construction projects extending to cover the Middle East, Africa, and Asia.

Being an almost 100-year-old company, **Societe Egyptienne D'entreprises** has successfully executed major Construction Projects with the Latest Heavy Duty Equipment Machinery in MENA. Leading the Mega Projects in the Market in Egypt, KSA, Algeria, Libya, Kuwait, UAE & Oman.

- Managing almost all Systems of Heavy Duty Equipment Machinery with a Diverse multi-purpose Engine including; Brakes, Hydraulics, Electrical, Pneumatics, Transmission, Air systems, and Diesel engines.
- Diagnosing & Repairing Different types of Heavy Duty Equipment, such as; Bulldozers, Excavators, Loaders, Backhoes and Motor Graders.
- In-depth Experience & Fully-fledged knowledge of the most Popular Heavy Equipment Machinery Brands in the Market, Such as;
  - **CATERPILLAR**
  - **KOMATSU**
  - **VOLVO**
  - **JOHN DEERE**
  - **DOOSAN**
  - **KAWASAKI**
  - **LIEBHERR**
  - **HITACHI**

**LIEBHERR**

**KOMATSU**

**CATERPILLAR**

**HITACHI**

 **JOHN DEERE**

 **Kawasaki**



- Manage the Whole Mechanical systems Process, including completing routine maintenance, performing efficiency tests, advising with repairing process broken machines, and recommending upgrades when necessary.
- Supervising & Providing Technical Assistance to a team of operators, who are mainly responsible for Heavy Machinery Maintenance process.
- Carrying out routine scheduled maintenance work and responding to equipment faults.
- Monitoring and controlling Maintenance Costs.
- Preparing Maintenance Log Reports and record details of the repairing work undertaken.

April 2016 - June 2016 Automotive Service Advisor| Reception Mechanical Engineer

*TECHNO BOSCH Auto Maintenance Service Center*

**Assess Customer Needs - Write Service Orders - Schedule Appointments - Promote Services**

- Welcoming & Advising the Customer about Necessary Service for Routine Maintenance.
- Help to identify Mechanical problems by questioning the Customer or by doing a Visual inspection or Road Test.
- **Following & implementing TECHNO BOSCH Service Advisory Process:**
  - *Appointment.*
  - *Reception.*
  - *Writing-up Repair Needs.*
  - *Monitoring work in progress.*
  - *Final Check for Delivery.*
  - *Job Explanation at Delivery.*
  - *Post-Service Follow-up.*
- Organize and manage the shuttle service and accurately maintain the log of the service.
- Maintain log books for courtesy cars.
- Patiently & cheerfully handle customer complaints.
- Follow up on repeat complaints with the workshop to ensure the problem is effectively resolved.

Jan 2016 - March 2016 Junior Heavy Equipment Maintenance Engineer

*National Company For Heavy Equipment And Petroleum Services*

- Designing maintenance strategies, procedures, and methods.
- Removing defective parts and fixing up the damage or replacing them completely.
- Cleaning and lubricating the machinery components and ensuring they work without interruptions or friction.
- Following up with Safety & Quality measures prescribed, while operating and repairing the machinery.

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## Education

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- 2017 - 2018      Post Graduate Diploma in Mechanical Hydraulic Machines  
*Mansoura University*  
**Total GPA B+**
- 2008 - 2014      Bachelor of Science Degree in Mechanical Power Engineering  
*Alexandria University*  
**Graduation Project: Renewable Energy, Wind Pump Design.**

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## Courses & Certificates

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- **Hydraulic Power Systems Course**, Union Engineering for Maintenance and Training.
- **Diesel Engine Maintenance**, *Arab Academy of Science, Technology & Maritime Transport – Industrial Training Council (AASTMT)*.
- **Automotive Electricity and Control**, *National Academy For Science and Skills (NASS)*
- **HVAC Systems Design.**
- **Plumbing Systems Design.**
- **Computer Maintenance** – *Alexandria University.*
- **International Computer Driving License (ICDL).**

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## Skills

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### Industry Knowledge

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- Mechanical Engineering
  - Heavy Equipment Maintenance
  - Fluid Mechanics
  - Thermodynamics
  - Hydraulics
  - Maintenance Engineering
  - Automotive Engineering
  - Preventive Maintenance
  - Renewable Energy
  - Diesel Engine Maintenance
  - Automotive Electrical Systems
  - Lubricants
  - Thermal Hydraulics
  - HVAC Engineering
  - Plumbing Design

### Technical Tools & Technologies

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- *Caterpillar SIS*
  - *AutoCAD*
  - *Prezi*
  - *HAP*
  - Graphics Designing
  - Adobe Photoshop
  - Adobe Illustrator
  - Microsoft Office

### Other Skills

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- Leadership
  - Team-work driven spirit.
  - Excellent English skills.
  - High level of Maturity and Sense of responsibility.
  - Safety and Job Hazard Analysis.
  - Design and implementation of Preventative Maintenance.
  - Meeting deadlines without compromise.

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## Driving License

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Egyptian Driving License Valid up to: 15/4/2027

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## Military Status

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**Finished**