

AHMED FAROUK MAHMOUD IBRAHIM ELHUSSEINI

Diesel Generator Operator & Preventive Maintenance Technician

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04 FEB 1987 Egyptian



SUMMARY

Diesel Generator Operator & Preventive Maintenance Technician Experienced Diesel Generator Operator and Preventive Maintenance Technician with more than 15 years of hands-on experience in operating, monitoring, and maintaining diesel power generation systems. Strong background in site-based power station operations across hospitality, energy, industrial, and solar sectors. Proven ability to ensure reliable power supply through preventive maintenance, condition monitoring, and first-line troubleshooting. Experienced in supporting senior engineers and OEM teams during major repairs. Familiar with hybrid diesel-solar power systems, synchronization systems, and shift-based operations in continuous power environments.

EXPERIENCE

Diesel Generator Operator & Preventive Maintenance Technician

Mantrac Egypt

08/2015 - Present Egypt

Authorized Caterpillar dealer in Egypt

- Operate Caterpillar diesel generators in prime and standby applications across industrial and commercial power stations
- Perform preventive maintenance tasks including oil changes, filter replacement, belt inspection, and routine servicing
- Monitor generator performance parameters, alarms, and load sharing systems
- Conduct first-line troubleshooting and report faults for corrective action
- Support senior engineers during major repairs and maintenance campaigns
- Work in large-scale power stations serving cement plants, oil & gas facilities, and hospitality projects
- Participate in synchronization and load management of multiple generator sets
- Operate and maintain a 2.5 MW solar PV plant integrated with diesel generators
- Ensure continuous power availability through shift-based operation and monitoring

Diesel Generator Operator & Preventive Maintenance Technician

TAQA Arabia

10/2011 - 06/2015 Egypt

- Operated and maintained Caterpillar and Cummins diesel generators in hotel and resort power stations
- Performed routine inspections and preventive maintenance activities
- Assisted in generator installation and commissioning projects with capacities ranging from 3 MW to 12 MW
- Supported power station operation during peak loads and emergencies
- Maintained operational logs and reported performance issues

Diesel Generator Operator

Hospitality & Resort Power Stations

01/2007 - 09/2011 Egypt

- Operated diesel generators supplying continuous power to hotel and resort facilities
- Worked with Caterpillar, MAN, and Volvo generators
- Supported desalination plant operations powered by diesel generators
- Assisted technical teams during maintenance activities and emergency breakdowns

EDUCATION

Bachelor of Agricultural Sciences - Bio Systems

Faculty of Agriculture Mansoura University (Open Learning Center)

2015 - 2019 Egypt

Diploma in Diesel Engines & Ship Operations

Industrial Technical Institute of Maritime Constructions

2004 - 2006 Egypt

TRAINING / COURSES

Personal Survival Techniques

Arab Academy for Science & Technology

Fire Prevention & Firefighting

Arab Academy for Science & Technology

Medical Emergency Basic Training

Arab Academy for Science & Technology

Firefighting

Team Engineering & Management
Consultants

LANGUAGES

Arabic

Native

English

B1

SKILLS

Diesel Generator & Power Systems

- Operation of diesel generator sets in continuous and standby modes
 - Routine inspections, oil changes, filter replacement, belt adjustment
 - Monitoring temperature, pressure, voltage, frequency, and alarms
 - Logging operational data and reporting abnormalities
 - Assisting during commissioning, testing, and synchronization
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Engines & Equipment

- Caterpillar diesel generators (3516, 3512, 3508, 3412, 3406, C32, C18, C15, C13, C9, C7)
 - Cummins, MAN and Volvo diesel generators
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Control & Synchronization Systems

- Generator synchronization systems
 - ComAp controllers
 - DeepSea controllers
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Solar & Hybrid Systems

- Operation of a 2.5 MW solar PV power plant
 - Handling and inspection of Suntech and Jinko PV modules
 - Operation of ABB TRIO 50 and Schneider Conext CL-60E inverters
 - Integration of solar PV with diesel generator systems
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Safety & Work Practices

- Power station safety procedures
 - Fire prevention and firefighting practices
 - Shift-based and site-based operations
 - Basic computer use and technical reporting
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ADDITIONAL INFORMATION

- Available for any site-based working system, including residence on site, shift work, and long working hours, as required
- I have driving License: Egyptian – Category B,
- Willing to relocate for long-term assignments
- Comfortable working in multicultural environments