



MOKHTARI MOHAMED EL MAHDI

PRINCIPAL TECHNICIAN – DIESEL POWER PLANT OPERATIONS

Experienced Principal Technician in diesel power plant operations with over 10 years of experience working in remote desert facilities. Seeking a challenging role in power generation or industrial maintenance where I can apply strong control-room operation skills, diesel generator troubleshooting expertise, and preventive maintenance practices to ensure continuous and safe power supply.

CONTACT

- 📍 Algeria
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EDUCATION

Principal Technician Diploma – Diesel Power Plant Operation

Technical Professional Training School – Sonelgaz (IFEG), Algeria

Higher Technician Diploma – Industrial Electronics (Electronique Industrielle)

INFSP Djanet, Algeria | 2013 – 2016

LANGUAGES

- **Arabic** – Native
- **French** – Good
- **English** – Elementary (A2)

ADDITIONAL INFORMATION

- Extensive experience managing critical power systems in remote, harsh environments.
- Strong teamwork and written reporting skills; disciplined and reliable under high-responsibility conditions.
- Familiar with standard preventive maintenance cycles and emergency response for diesel power plants.

PROFESSIONAL EXPERIENCE

Principal Technician – Diesel Power Plant Operations

Algerian Electricity Production Company (SPE) – Sonelgaz Group
Djanet | 2016 – Present

Key Responsibilities

- Operate and supervise diesel power plant systems from the control room to maintain stable generation and distribution.
- Monitor voltage, frequency, and load distribution; adjust operating parameters to meet demand and protect equipment.
- Ensure uninterrupted electricity supply by coordinating generator start-up, shutdown, and switching operations.
- Diagnose and repair electrical and mechanical faults on diesel generators and auxiliary equipment.
- Perform preventive and corrective maintenance on engines, alternators, fuel systems, cooling systems, and batteries.
- Prepare daily operational, maintenance, and fuel-consumption reports.
- Apply industrial safety procedures including lockout/tagout practices and safety briefings.
- Operate effectively in extreme desert conditions within rotational deployment schedules.

CORE COMPETENCIES

- Control room operations & load management
- Diesel generator (genset) operation, start-up & shutdown
- Voltage & frequency monitoring
- Electrical & mechanical troubleshooting
- Preventive & corrective maintenance
- Fuel, cooling & battery system monitoring
- Power distribution & continuity of supply
- Industrial safety compliance & reporting
- Remote desert-site operations (rotational schedules)