

<b>Position Title</b>	Powerhouse Engineer	<b>MML is an equal opportunity employer, and women are strongly encouraged to apply.</b>
<b>Department</b>	Engineering and Maintenance	
<b>Location</b>	Marampa Mines Site, Lunsar, Sierra Leone	
<b>Reporting to</b>	Powerhouse Superintendent	

**Position Summary**

Marampa Mines Limited is seeking to hire a suitably qualified and experienced **Powerhouse Engineer** responsible for the PLC S7 300 and ET200SP & SCADA/AVEVA programming, troubleshooting, upgrading and monitoring, SWG maintenance and testing, operation, maintenance and repair of power generation equipment and the associated auxiliary equipment to ensure the optimal performance of diesel engines and auxiliary systems within the power plant. This role involves ensuring that the power plant operates efficiently, safely and within regulatory guidelines.

**Key Responsibilities**

- Plans, schedules, and oversee preventive and corrective maintenance activities for power plant diesel engines and auxiliary systems.
- Plans, coordinates and conducts effective periodic maintenance and overhauls for power plant engines, especially Hyundai 9H 21/32 and ABC 16DZC-750 or similar dual fuel engines, at the recommended intervals.
- Siemens PLC Programming & Troubleshooting – Develop, test, and maintain programs for Siemens S7-300 PLCs, ensuring reliable plant operation.
- Remote I/O Configuration (ET200SP) – Configure, integrate, and troubleshoot ET200SP remote I/O stations with S7-300 PLC systems.
- SCADA Development & Integration (AVEVA) – Configure tags, alarms, trends, and graphics in AVEVA SCADA to monitor and control plant operations.
- System Troubleshooting & Maintenance – Diagnose PLC/SCADA faults, handle PLC STOP conditions and resolve data communication or hardware failures.
- Redundancy & System Reliability – Configure and maintain redundant PLC/SCADA systems to ensure uninterrupted power plant operations.
- Supports a team of powerhouse electrical and mechanical supervisors and follow the workorders and tracing the spare parts orders, status and ETA.
- Diagnoses and troubleshoots electrical and mechanical problems, determining the cause of issues and implementing effective solutions and prepare the required reports.
- Conducts regular inspections and oversees troubleshooting of electrical and mechanical issues, ensuring timely resolution.

- Troubleshoots and rectifies faults on automated plant control systems (SCADA) and PLC based systems.
- Ensures all preventative and corrective maintenance meets quality standards (QA/QC) and OEM requirements.
- Provides training and development opportunities for the maintenance team to enhance their skills, knowledge and competence

**Qualifications and Experience**

- Bachelor’s degree in mechanical, Electrical, Automotive Engineering/Technology, or any technical-related field
- Minimum of 7 years’ experience in a power plant and mines or heavy industry maintenance environment in a similar/equivalent role.
- Previous experience in a Power station environment, heavy diesel equipment workshop or other heavy industries will be an added advantage
- **Skills and Competencies**
- Strong leadership skills with the ability to manage and motivate a team of Power plant operational and maintenance teams.
- In-depth knowledge of diesel engine operations, electromechanical systems, and maintenance techniques for a power plant environment.
- Advanced problem-solving skills to diagnose and resolve complex electrical and mechanical issues.
- Proficiency in maintaining accurate records and preparing detailed operational and maintenance reports.
- Ability to identify and implement process improvements to enhance maintenance efficiency and effectiveness.
- Electrical wiring drawing and design and relays calibrations.
- High level of attention to detail in performing maintenance tasks and inspections

**Work Environment and Physical Requirements**

- The individual must be physically and mentally fit for a fast-paced work environment.
- Standard office hours apply, with some flexibility required.

**HOW TO APPLY & CLOSING DATE**

Please forward your application, including your CV, cover letter, copies of your educational and professional certificates, and any other supporting documents.

To **Marampa Mines Limited. Human Resources** desk via the main entrance gate of the Mine Site, Lunsar, or e-mail:

[MMLRecruitment@marampamines.com](mailto:MMLRecruitment@marampamines.com)  
<https://marampamines.com/careers/>

**The closing date for receipt of applications is 22<sup>nd</sup> April 2026.**

Only shortlisted candidates will be contacted and may be required to perform written and practical assessments, where applicable.

**Women are strongly encouraged to apply for roles at MML.**