

## Career Opportunity

### Internal & External Advert

**Bokoni Platinum Mine** is an ARM owned mining operation situated on the eastern limb of the Bushveld Complex. This operation is planned to produce circa 400,000 oz per annum. Its project plan includes the construction of new decline shafts with combined capacity of 240,000 tons per month, a new concentrator plant, tailings storage facility and associated surface and underground infrastructure.

Applications are invited from suitably qualified and experienced persons for the position of **Reliability Engineer**. The position will be based at Bokoni Platinum Mine at Atok (Fetakgomo Tubatse Local Municipality, Sekhukhune District Municipality in Limpopo.

### Reliability Engineer (DL)

#### Purpose of the Job:

A reliability engineer is a professional who ensures that the equipment and processes of an organization operate at optimal levels and meet the needs of the customers. The main goal of a reliability engineer is to increase the uptime, reliability, and efficiency of the systems and equipment by analysing data, identifying problems, and developing solutions.

#### Job Requirements:

- Bachelor's degree or BTech in engineering, preferably in mechanical, electrical engineering.
- Trade Test certificate (advantageous).
- Management Development Programme (essential).
- Willingness to do GCC for Mines and Works (Electro-mechanical Engineering).
- Fitness Certificate.
- Understanding & application of Health & Safety Principles.
- Minimum of five years of experience in reliability engineering or related heavy duty engineering field/environment.
- Candidate to have a minimum of 5 years Supervisory experience.
- Knowledge of reliability engineering principles, methods, and tools, such as FMEA, RCM, RCA, Waybill analysis, etc.
- Occupational Health & Safety.
- Knowledge of Planned Maintenance strategy and principles.

#### Job Responsibilities (will include the following but not limited to):

- Ensure compliance with SHERQ and Legal requirements and participate in the Mine health and safety program. Support and assist Engineering Supervision with the following:
- Responsible to coordinate the execution of Planned maintenance activities, including corrective, preventative and predictive activities, and monthly reporting.
- Conducting root cause analysis to determine the underlying cause of problems.
- Conduct reliability tests and analyses on equipment and processes.
- Identify potential failure modes and root causes of problems while analysing equipment failure data to identify patterns and trends.
- Develop and implement preventive and corrective actions to improve reliability..
- Monitor and report on reliability performance and trends.

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|                               | <ul style="list-style-type: none"> <li>• Collaborate with maintenance, engineering, and quality teams to ensure reliability standards and best practices are followed.</li> <li>• Developing and implementing new maintenance procedures.</li> <li>• Designing and implementing new procedures for monitoring and testing equipment.</li> <li>• Support the preliminary analysis, statistical monitoring and reporting of all failures.</li> <li>• Support and assist with maintenance supervision of new technical installations and construction.</li> </ul>   |
| Technical Work Responsibility | <p><b>Technical Work Responsibility</b></p> <ul style="list-style-type: none"> <li>• Manage bulk maintenance during monthly shutdown periods.</li> <li>• Manage breakdown and ad hoc maintenance to minimise downtime.</li> <li>• Implement the maintenance in accordance with maintenance schedules paying careful attention to deadlines and budget control.</li> <li>• Oversee all maintenance and repair work, ensuring adherence to health &amp; safety standards, to:             <ul style="list-style-type: none"> <li>○ Plant</li> <li>○ Instrumentation</li> <li>○ Electrical</li> <li>○ Mechanical</li> <li>○ Earthmoving Equipment &amp; Mobile Machinery</li> <li>○ Housing</li> </ul> </li> <li>• Participation in the planning of engineering and construction projects<br/>Manage and coordinate all engineering maintenance planning and record keeping.</li> </ul> <p><b>Administration</b></p> <ul style="list-style-type: none"> <li>• Give input into the monthly Engineering reports.</li> <li>• Prepare the standby duty roster and ensure that it's adhered to.</li> <li>• Assist in the development of written maintenance Standard Operating Procedures (SOP).</li> <li>• Provide input into Engineering budgets for both maintenance work and specific projects.</li> <li>• Ensure strict cost controls relative to expenditure against budget.</li> <li>• Keep planned maintenance system up to date.</li> <li>• Keep machinery records up to date including the warranty claims.</li> </ul> <p><b>Stakeholder engagement</b></p> <ul style="list-style-type: none"> <li>• Manage internal relationships including continuous communication regarding availability of stock and non-stock items.</li> <li>• Develop and maintain relationships with contractors.</li> </ul> <p><b>People management</b></p> <ul style="list-style-type: none"> <li>• Set KPA and monitor performance and output of maintenance crews.</li> </ul> |

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|   | <ul style="list-style-type: none"> <li>• Monitor and enforce discipline in accordance with company policies and procedures.</li> <li>• Provide guidance and training to develop maintenance team.</li> </ul> <p><b>Health &amp; safety management</b></p> <ul style="list-style-type: none"> <li>• Participate actively in the health &amp; safety programme.</li> <li>• Ensure that the correct PPE is used where required.</li> <li>• Ensure housekeeping and cleanliness in all areas.</li> <li>• Report all incidents or accidents.</li> </ul> |
| <b>Personal Attributes:</b>   | <ul style="list-style-type: none"> <li>• Proficiency in data analysis and statistical software, such as MS Office, MS Projects, CAD, Minitab, MATLAB, etc.</li> <li>• Ability to work independently and in teams, with strong communication and problem-solving skills.</li> <li>• Interpersonal skills.</li> <li>• Attention to details.</li> <li>• Creative and can multitask.</li> <li>• Financial acumen.</li> <li>• Insightful and sees the bigger picture.</li> <li>• Assertive and goal orientated.</li> <li>• Organised.</li> </ul>        |
| <p><b>Interested applicants are invited to submit their CVs by no later than 10 November 2023 Email: <a href="mailto:Bokoni.Recruitment@bokoniplatinum.co.za">Bokoni.Recruitment@bokoniplatinum.co.za</a> with subject title Reliability Engineer. – 03/11/2023 as reference.</b></p> <ul style="list-style-type: none"> <li>• Comprehensive updated CV</li> <li>• Certified ID copies</li> <li>• Certified copies of all qualifications</li> </ul> |  |
| <b>Equity Statement:</b>  | Preference will be given to suitably qualified Applicants from designated groups in line with the Employment Equity Plan and/or Compliance Targets of the Organisation.  |
| <b>POPIA Disclaimer</b>   | <p><b>By sending your CV to the email address on this advertisement you agree to:</b></p> <ul style="list-style-type: none"> <li>• The processing of your personal information and sharing it with third parties for verifications.</li> <li>• The exercising of your rights provided for by POPIA.</li> <li>• To acknowledge that Bokoni Platinum Mine will keep the record of your personal information confidential.</li> </ul>   |