



**Probe**  
**IMT**  
INTEGRATED MINING TECHNOLOGIES

## ***Integrated Solutions for Productivity and Safety***

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***Branches across Sub-Saharan Africa and value-added partners across Africa***

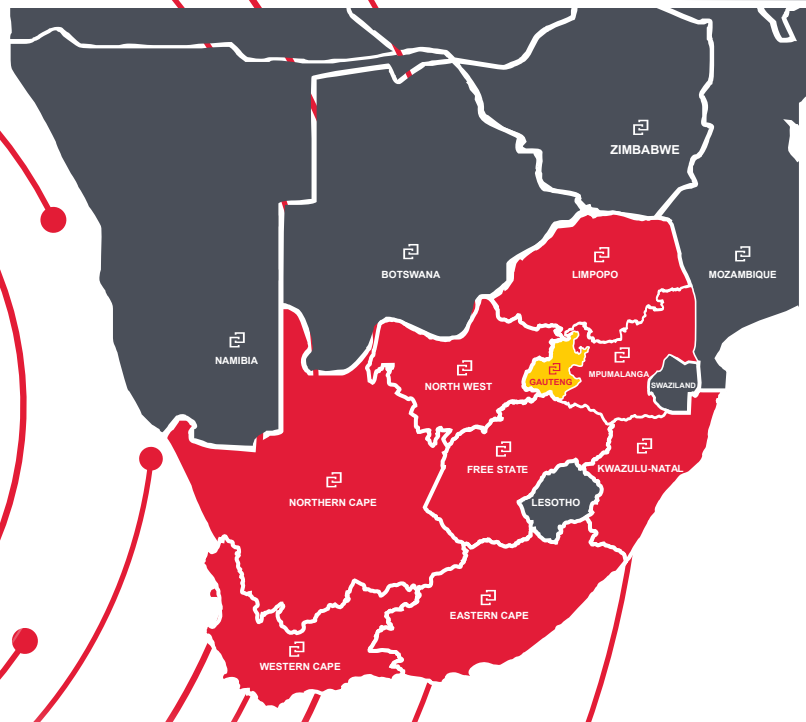
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**Gert J. Roselt**



## CEO Foreword

Welcome to the Probe Mining Group of Companies! We're not just your average mining solutions company. As a subsidiary of the renowned Probe Group, we're leading the way in Southern Africa and Africa when it comes to integrated solutions for productivity and safety across various sectors.

Our reputation is built on our cutting-edge technologies that are designed to revolutionize the mining, construction, agriculture, marine, and industrial industries. We're committed to providing groundbreaking solutions that take digital mine design and data analysis to the next level with our end-to-end Digital Mine Operation Solutions.

What sets us apart is our comprehensive range of offerings. From Operational Level 9 Collision Awareness Systems and Collision Prevention Systems to innovative safety solutions, we've got you covered. We also provide advanced monitoring for air quality, fire, and gas, along with comprehensive alternative energy solutions. And if you're looking for specialised solutions for industrial, air, power and more we've got those too.

But that's not all. We excel in auto-electrical field services, OHV batteries, and a wide range of spares and parts. Our expertise extends to Komatsu drive systems. If you're interested in OEM harness manufacturing or pioneering electric vehicle conversions, we've got you covered there as well.

In our fast-paced business market, we prioritise customer excellence, staff well-being, and the power of digital technology to boost efficiency. Our employees are the heart and soul of our success. Many of them have been with us since the beginning, and their unwavering dedication has created a work culture and environment that not only impresses but also retains exceptional talent. We offer our employees a structured framework that includes benefits, purpose, training, opportunities and competitive compensation. It's no wonder we're considered the employer of choice in the industry.

While our internal stakeholders are important to us, we also value our external stakeholders. We believe that financial growth and improving the customer experience are crucial, all while maintaining our commitment to environmental sustainability. Through our Corporate Social Responsibility Program, we actively seek to make a positive impact in the communities where we operate.

At the Probe Mining Group of Companies, we're more than just a team - we're a close-knit family. Our distinctive, futuristic and diverse culture serves as the foundation for maintaining our competitive edge. We firmly believe in the power of teamwork and encourage all members of our organization to collaborate towards our common goal.

Join us on this remarkable journey as we solidify our position as the leading provider of integrated solutions for productivity and safety in the mining and construction industry.

Experience the future of mining technology with the Probe Mining Group of Companies.

**"Teamwork makes the dream work"**

**GERT J. ROSELT**



## OUR PROMISE

We promise to enhance both productivity and safety by integrating innovative solutions that boost efficiency and ensure security. Our commitment to building strategic customer relationships underlines our dedication to service excellence and value creation.



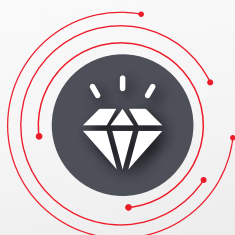
## OUR VISION

Our vision is to provide integrated solutions for productivity and safety in the mining and construction industry; to be a premium supplier of high-end products; and to deliver trust, respect and exemplary service to our customers.



## OUR MISSION

Our mission is to maintain distinction and excellence in all operational and business processes as we strive to be the most trusted, respected, and sought-after premium brand in the industry. We listen to our customers and become their partner of choice. We are deeply invested in caring for our environment and the communities where we operate. Our goal is to remain an employer of choice, offering innate guidance to our internal stakeholders and fostering an empowering work environment. As we build our legacy, we remain steadfast in living our brand values of sustainability, quality, and leadership.



## OUR CORE VALUES

**Customer-centric:** Providing a positive customer experience, before, during and after our liaison.

**Integrity:** All our actions will be guided by good principles and the utmost integrity.

**Knowledge:** Ensuring all our employees are knowledgeable within their respective fields.

**Accountability:** We will be accountable for our actions and for caring for the environment and communities in which we operate.

**Commitment:** We are committed to our external and internal stakeholders as we shape a sustainable and prosperous future for all.

## A CLEAR PHILOSOPHY

We believe the future prosperity of the Probe Mining Group of Companies is directly linked to the unity and prosperity of our internal and external stakeholders.

Our **business philosophy** is dedicated to earning the trust of our customers through excellent client service, as well as encouraging our employees to reach their full potential, which will ultimately improve their standard of living. Our business is built on listening to the needs of our customers and our team.

We challenge ourselves to think objectively and to continuously improve our business through better ideas. Working as a team is core to the success of our organisation. “Teamwork makes the dream work!”

Our **moral philosophy** allows us to treat customers, suppliers, and each other as we expect to be treated: with respect, honesty, and fairness. We serve as positive examples for each other, showing enthusiasm, dedication and pride in our work. When necessary, we make short-term personal sacrifices to benefit our long-term interests.

Our **management philosophy** is consistent with our Promise, Vision, Mission and Values and we are committed to practicing these principles for our mutual benefit.

Probe Mining Group of Companies was established through a process of consolidating the mining-oriented businesses within the Probe Group. Our entities across the country have flourished with a long and proud relationship as the premium provider of auto-electrical parts and Collision Avoidance Systems within the mining and construction industry. **Probe Mining Group is part of the Probe Group. We have achieved a Level 3 B-BBEE Certificate with 44% Black Ownership.**



***Probe Group 1963***

The Probe Group was established in 1963, and is a leader in its field with over 50 years of experience. Probe has been appointed as distributors and after-market support provider for many international brands.



***Witbank 1969***

Established in 1969, Probe IMT Witbank has built its reputation in providing a comprehensive range of premium products of KEY OEM auto-electrical manufacturers for the heavy duty automotive, mining and construction industries.



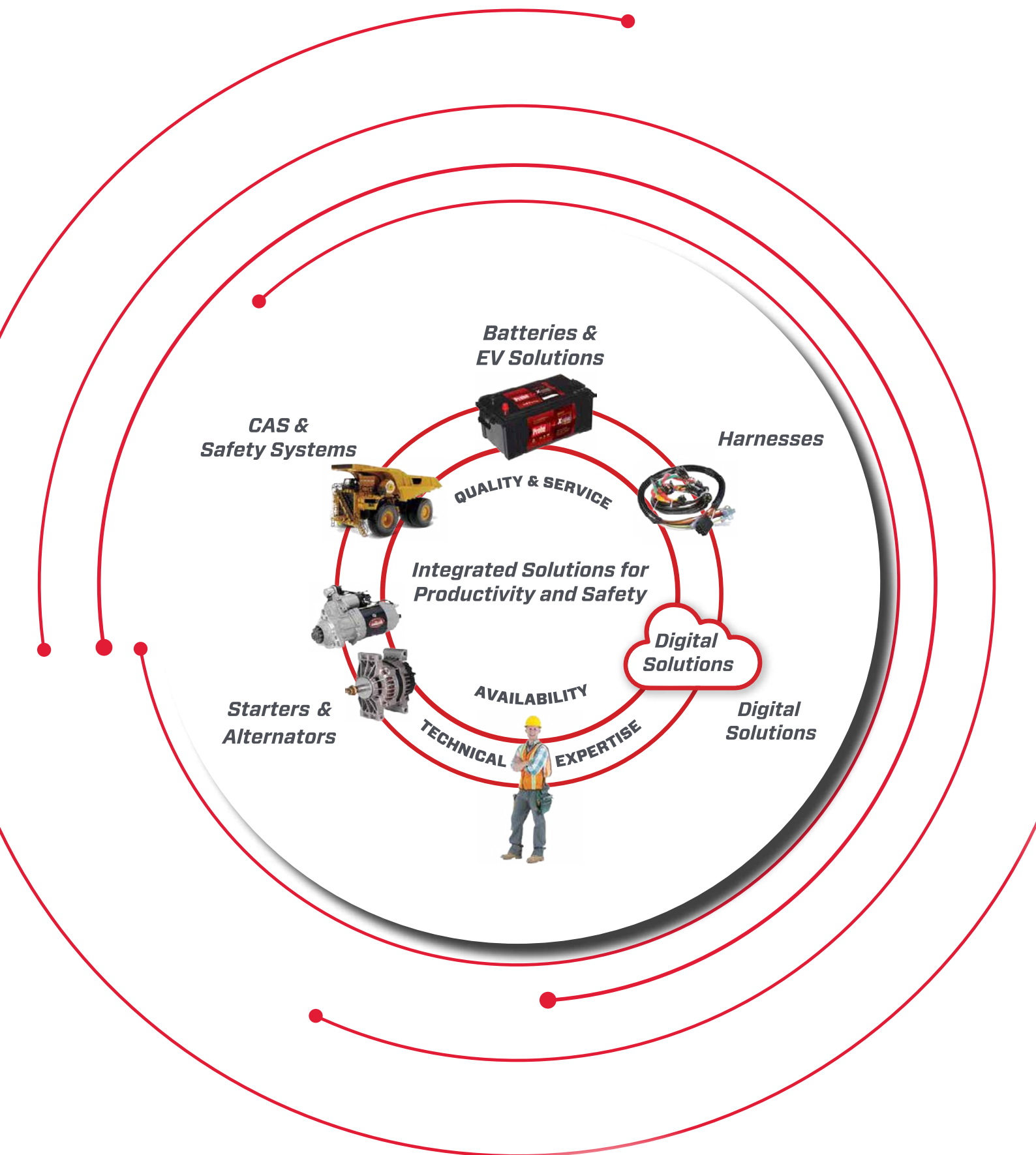
***Kuruman 1991***

Founded by Roselt Senior in 1991 from a small garage in Hotazel and moved to Kuruman, Northern Cape in 1993. Known as Kuruman Auto, this branch provides automotive support in the mining and construction industry and exemplifies a robust success story built on trust, service and understanding market needs.



***Rustenburg 2005***

Platinum Battery Technology Rustenburg began as a satellite office in 2005 and has since complemented its product range with a field service team, capable of installing and repairing all auto-electrical components such as wiring harnesses, LED lights and battery replacements.



The Probe Mining Group of companies has evolved to offer a comprehensive, strategic array of best-of-breed technologies, products, and solutions that significantly improve the design of digital mines and data analysis through end-to-end Digital Mine Operational Solutions. Our core focus lies in providing Safety and Productivity solutions that revolutionise the mining landscape. Our integrated offerings encompass Operation Level 9 Collision Awareness or Collision Prevention Systems, bespoke safety solutions, air quality and gas monitoring, comprehensive alternative energy solutions and other specialised solutions for industrial, air, and power requirements. Additionally, we offer auto-electrical field services, off-highway vehicle (OHV) batteries, spares, parts, and expertise in Komatsu drive systems, OEM harness manufacturing, and electric vehicle conversions.

### **INDUSTRIAL SOLUTIONS**

Probe IMT (Integrated Mining Technologies) represents our dedication to providing integrated solutions and transformative processes for the mining sector. By investing in state-of-the-art technologies, we deliver secure and innovative solutions such as uptime and remote monitoring, enabling more efficient and accurate mining operations. Leveraging the potential of Internet of Things (IoT), big data, and cloud computing, we empower mines to address resource challenges and environmental pressures. Our intelligent systems combine cutting-edge technology, skilled personnel, and streamlined processes to facilitate feedback loops, thereby defining an organisation's competitiveness and shaping the industry landscape. We collaborate closely with our customers to design and manufacture tailor-made solutions that address challenges in the mining, construction, agriculture, marine, and industrial sectors.

### **INTEGRATED TECHNOLOGY SOLUTIONS**

Under our industrial solutions portfolio, we drive efficient industrial operations by providing high-quality air and power solutions. Our range of screw and reciprocating piston compressors ensures optimal performance while delivering substantial energy-saving benefits. We offer industry-leading power transmission products, including SITI gearboxes, electric motors, Eaton Airflex and Nexen industrial pneumatic clutch and brake solutions. Partnering with a material handling company, we have expanded our offerings to include electrical forklifts and EV technology, along with associated charging systems. Additionally, we offer a diverse range of batteries to support the material handling segment.



## AUTOMOTIVE SOLUTIONS

As experts in the automotive industry, Probe is renowned for supplying the Complete Power Package, with a strong focus on batteries, starters, and alternators. We proudly represent world-class battery and branded auto-electrical component OEM brands, including Borg Warner (Delco Remy), Prestolite (Leece-Neville), CE Niehoff, and Horton. Our commitment to importing and distributing the latest battery technologies makes us a leading supplier in the Southern African region.

## RENEWABLE ENERGY SOLUTIONS

Embracing sustainable energy solutions, Probe has become a leader in alternative energy technologies such as lithium batteries and supercapacitors. Our Probenenergy division offers a range of high-quality and affordable power solutions for various applications, including solar, backup systems, UPS, industrial, marine, and telecommunications. Our portfolio extends to inverters, solar kits, next-generation battery chargers, and boosters. Partnering with international manufacturing plants, we import diverse best-of-breed technologies to cater to different market needs.

## SUSTAINABILITY

At the Probe Mining Group of Companies, we prioritise environmental sustainability and consider it a fundamental element in all our planning and development efforts. As an evolved mining organisation, we are committed to guiding social, environmental, and economic sustainability. We are proud partners of the Mandela Mining Precinct's Real-Time Information Management Systems (RTIMS) research program, which aims to improve data sourcing, transmission, storage, dissemination, and information management tools and practices for mines.

***Excellence through integration*** is at the core of our approach. All Probe Mining Group products and solutions are proven leaders in their respective fields, serving the mining, construction, agriculture, marine, and industrial sectors. We are actively exploring the realm of Digital Analytics, with the ultimate goal of consolidating productivity and safety.



- BMAir
- C.E. Niehoff & Co.
- Cole Hersee Co.
- Delco Remy
- Fini
- Harntech
- Horton
- M3SH
- Prestolite/Leece Neville
- Probe
- ProbeAir
- Probenergy
- Vision X
- Wabtec



ABT provides advanced braking technology and ABT brakes are well known for their unparalleled safety, improved productivity, zero emissions and toughness in the world's harshest conditions.



BMAir specialises in a wide range of pressurised filter systems. Each BMAir system can be equipped with a filter package tailored to your specific working environment. In combination with control systems, there is a solution for every workplace. Our Probe IMT experts have extensive knowledge of which system best suits your work environment and can advise you in combining the system with the appropriate control system and filter package.



C.E. Niehoff & Co. was founded in 1923 and has become the world leader in the design, manufacture and supply of heavy duty brushless alternators. The company's strength lies in understanding customer requirements and tailoring the most appropriate electrical power solutions to meet them, whether it is by utilising existing in house technology or developing a bespoke solution.



Cole Hersee are a leading manufacturer of electromechanical, electronic and digital switches and connectors, designing dependable products for a broad range of vehicles. Since its founding in 1924, it has been a pioneer and leader in the development of heavy-duty electrical products for the vehicle industry, and has earned a reputation for quality and value.



Delco Remy are the world's largest remanufacturer of Starters and Alternators, in addition to manufacturing a wide range of brand new units.





A new addition to the Probe IMT solutions offering, Harntech specialises in the design and manufacture of quality wiring harness and electrical solutions for a variety of industries. From custom wiring harnesses and cable through to electromechanical solutions for various markets, Harntech services offer an extensive range of spare parts to cater for all specific needs. Using industry standard CAD electrical and wire harness design software, Harntech designs electrical systems and provide drawings services to clients.

harntech   
stay connected



Harntech provides Electric Vehicle (EV) conversion kits that are designed to retrofit existing diesel equipment. This solution reduces emissions to 0% and minimises maintenance costs.

harntech   
stay connected



Horton is a premium provider of engine cooling solutions worldwide. With over sixty years of industry experience and a strong commitment to service, reliability, innovation and the environment, the company manufactures fan drives, fans and related components in OEM applications and after-market segments.

**HORTON**®



Founded in Switzerland over 25 years ago, Lemania Energy manufactures high quality Swiss-made and designed products known for quality and dependability. Lemania's large range of battery equipment includes battery boosters and starters, battery chargers including advanced diagnostic and programming chargers, battery testers and work lights.

**LEMANIAENERGY**  
Switzerland



M3SH Technology provides real-time monitoring, detection and control solutions, designed specifically for the harshest mining and industrial environments. The M3SH Technology product portfolio includes IIoT sensor-based industrial solutions, data enablement and management solutions to increase Health, Safety and Production.



M3SH Technology offers innovative, mission-critical solutions that offer better availability and improve efficiency through flexible, scalable systems that meet the specific needs of businesses. M3SH further provides disaster recovery solutions to protect equipment from hazards and outages that can cause expensive losses.



Probe is a leading importer and distributor of the latest battery technologies in the Southern African region. Probe's premium, maintenance-free, 'fit and forget' batteries do not require service or the addition of water during its operating life. The Probe heavy duty battery range is designed for use in rugged environments. The technology ensures that the battery is resistant to road vibrations and extreme temperatures.



Probe offers a complete range of multipurpose and deep cycle batteries for all commercial and industrial applications, including marine, camping, uninterrupted power supplies (UPS), back-up power, solar, and for telecommunication stations and energy lighting. This series includes lead calcium "wet plate type", tubular, AGM, GEL and Lithium Iron Phosphate technologies that cater for various deep cycle applications. Probe further offers the latest battery technologies for evolving solar applications, including batteries and inverters, for both domestic and industrial markets.



The Sirius Capacitor Module ("Sirius") is supercapacitor-based storage that uses supercapacitors as storage cells instead of chemical cells. Kilowatt Labs' proprietary balancing, control and charge retention algorithms control the operation of the supercapacitor-based modules, making Sirius a safe, efficient and effective alternative to chemical batteries wherever chemical batteries are deployed.



ProbeAir provides quality air solutions to industrial clients – combining optimal performance with huge energy saving benefits, and offer aftermarket service and support, including expert service technicians and the availability of spares at all times. As specialists in high-quality and clean air, we are also able to conduct air audits and air compressor assessments to ensure that the best products are selected for specific applications.



Probe offers the range and expertise that both business and domestic markets need to revolutionise their energy sources. The range includes inverters, solar kits and next generation battery chargers and boosters. Probe represents international manufacturing plants importing varied best-of-breed technologies to cater for different market needs.



Advanced, customised lighting systems create optimal working environments that help boost overall safety and productivity. Global lighting brand Vision X delivers durable lighting solutions to meet the unique needs of every mining environment.



The Wabtec Collision Awareness Suite (CAS) is an integrated risk management system for mines. A sophisticated operator's aid that allows for enhanced situational and proximity awareness, the Collision Awareness Suite improves safety on site by reducing vehicle interaction risks.



Probe IMT offers a range of technology solutions to make the off-highway environment safer for drivers and all those who operate around the vehicle. Off-highway vehicle spares related to Komatsu drive systems play an essential role in high production mining operations. Our product range delivers modular components to reduce customer costs, while maintenance-free units provide greater end-user value.

The Probe Mining Group of Companies has developed and implemented an ISO 9001:2015 and an ISO 45001:2018 Integrated Management System framework, that allows our organisation to document and improve our practices in order to better satisfy the needs and expectations of our customers, stakeholders and interested parties.

Health & Safety and Environmental Affairs plays a vital part of Probe Mining Group of Companies daily operations. Without question, the Health & Safety of all employees, contractors, vendors and the environment are every employee's responsibility. This responsibility is shared at all levels, from entry level to the executive level. We maintain Safety & Health programs conforming to the best practices of our industry.

To be successful, such programs must embody the proper attitudes toward incident, injury and illness prevention on the part of Department Heads, Managers, Supervisors and Employees. It also requires cooperation in all Health & Safety matters, not only between Management and Employees, but also between Employees and their co-workers.

Only through such a cooperative effort, can an effective Health & Safety program be established and preserved. The Health and Safety of every employee is our highest priority. Management accepts responsibility for providing a safe working environment and Employees are expected to take responsibility for performing work in accordance with our safe standards and practices. Health & Safety will only be achieved through teamwork. Everyone must work together in promoting Health & Safety, as well as ensuring every reasonable measure is taken to assure safe working conditions within the company and to the environment.

We are committed to the ongoing development and improvement of our Occupational Health & Safety System with a focus on the reduction of incidents and injury for all employees and other persons.

The company commits itself to observing, implementing and fulfilling the requirements under the OHS Act 85 of 1993, relevant OHS Regulations and other Health & Safety requirements.





## Accredited Certificate

This is to certify that the Occupational Health & Safety Management System of

### PROBE INTEGRATED MINING TECHNOLOGIES

Registration No 1969/016968/07 and located at sites below.

Has been assessed and verified to fulfil the requirements of

#### ISO 45001:2018

**Scope:** The provision of customer specific products and solutions in Auto-Electrical and Earth Moving Equipment Safety Solutions to the mining, construction, transport and civil industries, that will improve safety and productivity in mining and meet client specific requirements.

**Client Code:** PRO001

Certificate No: 462b Issue No: 1

Date of initial certification: **25 JUNE 2019**

Date of Issue: **28 APRIL 2022** Valid until: **24 JUNE 2025**

Subject to the satisfactory operation of the management system as determined by the annual surveillance audits

Authorised by



Certification Manager



Judah Compliance Auditors, Box 273 Private Bag X6, Cascades 3202  
Tel 033 342 0529 Mob 082 577 8494 Email info@jcauditors.com Web www.jcauditors.com  
This certificate may be verified via registration on [www.jcauditors.com](http://www.jcauditors.com)



## Accredited Certificate

This is to certify that the Quality Management System of

### PROBE INTEGRATED MINING TECHNOLOGIES

Registration No 1969/016968/07 and located at sites below.

Has been assessed and verified to fulfil the requirements of

#### ISO 9001:2015

**Scope:** The provision of customer specific products and solutions in Auto-Electrical and Earth Moving Equipment Safety Solutions to the mining, construction, transport and civil industries, that will improve safety and productivity in mining and meet client specific requirements.

**Client Code:** PRO001

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Time is money in the mining environment, where machines often run 24/7 under strenuous conditions. Excellent field service, backed by the right technology, can save both. At Probe IMT, our Field Service capabilities are second to none. Our comprehensive service offering includes installation, commissioning, maintenance and troubleshooting of all mining equipment. Our team has years of experience in the industry and the knowledge to quickly address challenges that arise. We use advanced diagnostic tools to get you back up and running as quickly as possible, and advanced technology to manage your maintenance needs.

Probe IMT's national Field Services Division offers a fully integrated management solution to mines, incorporating on-site technical testing and the implementation of equipment monitoring systems. Qualified service technicians are available either through a man-on-site service or a mobile field service that is on-call for breakdowns. These trained teams install and maintain specific solutions, including Collision Prevention Systems (CPS) from Wabtec, BMS systems and OEM Harness solutions. The technicians can take care of everything from batteries, starters, alternators, lockout systems, the repair or replacement of wiring harnesses, air-conditioning repairs, and all auto-electrical maintenance. Being out in the field, Probe IMT technicians are consistently gaining experience on a wide range of equipment, which enhances their problem-solving skills.

### DIGITAL DIAGNOSIS

Probe IMT employs a range of digital technologies to enhance productivity and operational efficiency in the mining industry. We have invested in technology and training, including digital diagnosis tools, that enable our specialised technicians to quickly identify and repair faults. Opus, a fully integrated field service solution, enables our technicians to load images in one place to quickly show engineers and managers why a component may be failing. The technology facilitates recording issues and sharing them quickly with customers who may not be on site, helping with rapid decision-making.

### PREDICTIVE MAINTENANCE

We believe it is vital to take a long-term view when it comes to repairs and maintenance. Machines need the correct time for maintenance, which keeps costs down in the long run. Having a digitised overview of equipment and its service history helps the team to effectively manage predictive maintenance. Improved failure anticipation can help prevent unplanned interruptions and machine failures.

### COST-SAVING SOLUTIONS

Based on skill and experience, the team is able to recommend efficient and cost-saving solutions. Our products are chosen carefully, with a wider view of what will function well on a mine in the long run. It's not just about immediate cost, but the long-term quality and lifespan, backed by the correct service and technology, that ensures our clients get best return on investment.

If you're looking for a reliable partner to help you manage your mining operations and maximise efficiency, then look no further than Probe IMT. Let us put our expertise in this area to work for you.



Mining operations come with significant risks and are often conducted in harsh and unpredictable environments. Ensuring the safety of workers and maintaining the integrity of equipment is vital for the long-term success and sustainability of these operations.

Probe IMT's Collision Prevention System (CPS) is integral to mining safety and productivity. Our Level 9 CPS is tailored to minimise the risk of accidents stemming from vehicle-to-vehicle, vehicle-to-person and vehicle-to-infrastructure collisions.



The system employs Intervention Controls such as take-off inhibit, controlled slow down, speed governing, and stop functions that can automatically slow down or stop the machinery. This self-testing system promptly reports any failures in real-time. It's equipment agnostic, offering sophisticated monitoring and back-to-base reporting which, aside from ensuring safer mining operations, can be analysed for productivity enhancements by improving equipment utilisation and maintenance. This is particularly beneficial in an industry where downtime can lead to a significant loss of production and revenue.



The system uses a blend of sensors, cameras, and Ultra GNSS technology to alert operators of potential hazards and prevent accidents. The CPS employs GNSS-based proximity detection to identify and alert vehicle operators of potential high-risk interactions. Each vehicle transmits its relative information to other vehicles via a peer-to-peer radio communications link. This data is then processed and displayed on the CPS screen.

Probe IMT offers Level 9 readiness facilitation to ensure successful implementation of Level 9. This solution is customised based on industry objectives and best practices both locally (Minerals Council South Africa) and internationally (ICMM and EMESRT). Our goal is to guarantee a high level of safety with the least possible impact on productivity, while ensuring compliance with mine safety legislation.

Since implementing CPS at the mines where we operate, Probe IMT has significantly reduced the number of accidents and risk of fatalities. These systems further save time and money that would otherwise be spent on repairs or equipment replacement, while helping to avoid regulatory fines and damage to reputation.

Our Engineering, Procurement, Consulting, and Management (EPCM) Solution embodies a holistic approach, specifically designed to deliver integrated solutions that boost productivity and ensure safety in mining operations.

In the modern, competitive mining landscape, mining companies face unique challenges. Our bespoke EPCM Solution is crafted to address these issues, delivering exceptional results.

### **Engineering Expertise:**

Our team includes highly skilled and experienced engineers with in-depth knowledge of the mining industry. They collaborate closely with our clients to create innovative, tailored engineering solutions that amplify productivity whilst maintaining the highest safety standards.

### **Procurement Management:**

Included in our EPCM Solution is an efficient procurement management system that refines the purchasing process. Leveraging our wide network of suppliers and contractors, we procure top-quality materials and services at competitive rates. This ensures punctual delivery and cost-effective solutions for your mining undertakings.

### **Consulting Services:**

Probe Mining Group provides a comprehensive range of consulting services to execute projects proficiently and effectively. Our consulting team manages the entire process, ensuring compliance with project timelines, budgetary restrictions, and safety regulations. We place a premium on quality control and project management to deliver superior results.

### **Project Management:**

Effective project management is fundamental to the success of any mining operation. Our EPCM Solution integrates tried-and-tested project management methodologies to supervise all aspects of your project, including scheduling, resource allocation, risk management, and reporting. This guarantees projects are conducted seamlessly, punctually, and within budget.

### **Safety Focus:**

Safety is of paramount importance in mining operations, hence our EPCM Solution places the utmost priority on creating a safe working environment. We deploy stringent safety protocols and offer continuous training to our personnel to minimise risks and ensure compliance with industry regulations. Our objective is to nurture a culture of safety that safeguards both our employees and your mining assets.

By choosing the Probe Mining Groups' EPCM Solution, your company will enjoy the advantages of a holistic approach that integrates engineering, procurement, construction, and management expertise. This integrated approach enhances productivity, optimises operational efficiency, and mitigates risks, leading to superior project outcomes and increased profitability.

With our unwavering commitment to excellence, efficiency, and safety, the Probe Mining Group is your trusted partner for integrated mining solutions.



## Fatigue and Driver Management System for mining assets

Driver monitoring and management systems contribute to improving driver safety, reducing accidents, and enhancing operational efficiency in mining and transportation industries. Probe IMT's Fatigue Management Solution offerings:

**Fatigue and Distraction Monitoring | Compliance Monitoring | Driver Performance Assessment**  
**Real-time Feedback and Alerts | Incident Reconstruction & Investigation**



## Real-Time Environmental Monitoring

Real-time environmental monitoring in mining provides valuable insights into environmental conditions and enables proactive management and mitigation of potential impacts. In partnership with M3SH, Probe IMT offers advanced technologies and systems to continuously monitor and assess the environmental conditions in and around mining operations. Mining companies can minimise their ecological footprint, ensure regulatory compliance and support sustainable mining practices.

## Collision Prevention Systems (CPS)

CPS in mining are advanced technologies designed to enhance safety and minimise the risk of collisions between mining vehicles, equipment, and personnel. Implementing CPS in mining operations involves the use of GPS, ultra-wide band technology, radar and other sensors to detect potential hazards and provide warnings and take automatic actions to avoid accidents, such as applying brakes or adjusting the vehicle's trajectory. CPS is one of our core offerings. We offer technologies that work in conjunction with well-established safety protocols and training programs to create a comprehensive approach to accident prevention in the mining industry.

## Connectivity and network infrastructure

Mine digitalisation has the potential to transform the mining industry, improving productivity, safety, and sustainability. By leveraging data and digital technologies, mining companies can make informed decisions, optimise operations, and adapt to changing market conditions more effectively. Probe IMT is a proud Value Added Partner (VAP) to Huawei, a global giant in modern technology connectivity solutions involving the provision of a networking platform for various technologies, the Internet of Things (IoT), automation, artificial intelligence (AI), data analytics, and cloud computing for better decision-making and optimisation in all industry processes.

Probe Mining Group delivers the best in services when it comes to Prevention Avoidance Systems. Our local service, support and repair centre is based at our head office in Germiston, Johannesburg and boasts a cumulative monitoring process, which improves the components for Prevention Avoidance Systems. We are able to reconstruct damaged units, which means no downtime on units sent overseas. Our repair centre is fully equipped and technically capable of shortening the RMA process and increasing machine availability.

Localised, high quality CPS Cables are assembled in-house by our highly skilled technicians, who also provide remote support to our field services team situated at sites which use our CPS solutions. Our remote CASWEB reporting system monitors vehicle interaction, analysis & systems health monitoring. Our customers have an option for 'on-premise' hosting, or Probe Mining Group can provide hosting services with low recurring fees.

Our future offerings will provide turnkey solutions to enhance the reporting, production and safety solutions.



## CASE STUDY – Harntech

Harntech specialises in site assessments and root cause investigations for wiring harness failures. We provide swift solutions that will increase productivity and decrease downtime while keeping costs justified. Our braided wiring harnesses are manufactured to IPC WHMA A 620 A standards and to ISO 9001 QMS specifications. Harnesses are fitted with waterproof connector boots and high temperature oil and diesel resistant wire is used.



In a recent example, a Caterpillar 777d Dump Truck water bowser at an iron ore mine in the Northern Cape was experiencing excessive machine downtime due to faults in lighting circuit wiring harnesses.

The machine experienced downtime due to rear lights and bin marker lights not functioning, which is a Class One hazard. The condition of wiring harnesses overall was poor. On investigation, the bin marker light installation has been poorly executed. Connectors were filled with moisture and iron ore.



Harntech manufactured a plug-and-play electrical kit and upgraded sealed and braided harnesses with moisture and dirt-proof boots fitted to the connectors. A lighting interface control unit was manufactured and an installation manual was provided for easy fitment. Wiring harnesses were manufactured as modules for easy replacement. Machine uptime increased substantially after a trial fitment. Harntech will now provide the solution for the remaining fleet.



The Probe Group has become a leader in remanufacturing automotive components to meet the local demand for affordable, high-quality products throughout a vehicle's lifespan. This approach also helps to reduce the impact on the environment.

Our remanufacturing division has built its reputation on high-quality workmanship, service and excellent turnaround times. The team delivers quality-controlled assembly of starters, alternators and repair kits. With a well-equipped workshop and state-of-the-art diagnostic equipment, our experienced technicians deliver a professional service.

Known as the Probe Value Line, all remanufactured parts are refurbished to OEM specifications and scrupulously tested for functionality and defects to ensure we meet the highest quality control standards.








### DEDICATED STAFF

At the Probe Mining Group of Companies our people are the foundation of our business and the reason for our success. We recognise that our employees' vision and contributions are critical to shaping our future and maintaining our competitiveness in the mining and automotive industries. To this end, we are committed to creating a work environment that fosters continuous development and growth, surrounded by employees who embody a high-performance culture, empowered to lead our company to even greater heights.

The Probe Mining Group of Companies is committed to promoting the economic advancement of our employees and the communities in which we operate, with particular emphasis on uplifting previously disadvantaged groups such as women, youth, rural communities and the disabled. This approach will lead to a transformative impact on our society through the achievement of socio-economic equality. We have implemented various initiatives aimed at targeting inequality and stimulating economic growth, including the Broad-Based Black Economic Empowerment (B-BBEE) program. The primary objective of this program is to promote economic participation and facilitate equal wealth distribution.

The B-BBEE program is structured around five pillars, which include direct empowerment through ownership, indirect empowerment through management control, skills development, enterprise development and socio-economic development. Our commitment to these pillars reflects our broader mission to help create opportunities for those who have been marginalised in South African society. With our focus on promoting the economic elevation of our employees, we believe that we can help empower individuals and communities to achieve their full potential, whilst also contributing to the broader social and economic development of South Africa.



**Broad-Based Black Economic Empowerment**  
**Generic Verification Certificate**  
**Issued to:**  
**PROBE INTEGRATED MINING TECHNOLOGIES (PTY) LTD**


Registration No: 1969/016968/07  
 VAT No: 4060108265  
 Address: 245 Albert Amon Road Millennium Business Park Meadowdale Ext 7 Germiston, 1614

Cert No: IZPI-GTBSZ150520245503

B-BBEE STATUS LEVEL		LEVEL 3	
Scorecard applied Generic Scorecard			
Applicable Sector Amended Codes of Good Practice (Gazette No: 36928 and 42496)			
Subsector Measured Amended Codes of Good Practice Scorecard			
Measurement Period 30 June 2022			
Exclusion Principle Applied NO			
BEE procurement recognition level	110%	Empowering Supplier	YES
Black Ownership	41.27%	Modified flow through	NO
Black Women Ownership	1.11%	Discounting Applied	NO
Black Designated Group	0.00%	Designated Group Supplier	NO
Black Disabled	0.00%	Black New Entrant	41.27%
Black Youth	0.00%	Participated in Y.E.S Program	NO
Black Unemployed	0.00%	Achieved YES & 2.5% Absorption	NO
Black People Living in Rural Areas	0.00%	Achieved 1.5 x YES & 5% Absorption	NO
Black Military Veterans	0.00%	Achieved Double YES & 5% Absorption	NO

ELEMENT	ELEMENT WEIGHTING	BONUS POINTS	ACTUAL SCORE
Ownership	25		18.33
Management control	19		13.78
Skills Development	20	5	21.33
Enterprise & Supplier Development	42	4	32.29
Socio-Economic Development	5		5.00
<b>Overall Score</b>	<b>111</b>	<b>9</b>	<b>90.73</b>

Thulebona Buthelezi  
Technical Signatory




Date of Issue  
16 May 2023  
Date of Expiry  
15 May 2024  
Re-issue Date  
N/A  
Version  
Final Issue

This Certificate is based on information provided to Izwelisha BEE Verification Agency by the client. This is an independent and impartial verification of the BEE status of the measured entity, based on the Amended Codes of Good Practice on Broad-Based Black Economic Empowerment gazetted on 31 May 2019 in Government Gazette No 36928 and 42496 and subsequent gazetted Sector Codes. This certificate has been compiled in good faith and Izwelisha BEE Verification Agency Pty Ltd will not accept any responsibility for any omission, nor will they be held liable for any loss or damage that may arise as a result of reliance on the certificate or the information related thereto. Should Izwelisha BEE Verification Agency Pty Ltd in its sole discretion adjudicate that the measured entity is misusing the B-BBEE Certificate, Izwelisha BEE Verification Agency Pty reserves the right to immediately withdraw the B-BBEE Certificate and the measured entity shall, upon written request by Izwelisha BEE Verification Agency Pty Ltd forthwith return the B-BBEE Certificate. The objective of our verification is to verify the validity and accuracy of the BBEE status represented by the measured entity.


65 Phillip Engelbrecht Drive  
Meyersdal  
Alberton

Tel: 011 867 1991  
Email: [info@izwelishabee.co.za](mailto:info@izwelishabee.co.za)  
Reg No: 2016/373328 / 07



BVA258

Verification Certificate IZVA.COR07-D Version 3.00 Updated 08/11/2021



**Broad-Based Black Economic Empowerment**  
**Generic Verification Certificate**  
**Issued to:**  
**IMT KURUMAN AUTO (PTY) LTD**


Registration No: 2012/085738/07  
 VAT No: 4640138113  
 Address: 12 Product Road, Kurdastria, Kuruman , 8460

Cert No: IZIK-GTBSZ160520245502

B-BBEE STATUS LEVEL		LEVEL 3	
Scorecard applied Generic Scorecard			
Applicable Sector Amended Codes of Good Practice (Gazette No: 36928 and 42496)			
Subsector Measured Amended Codes of Good Practice Scorecard			
Measurement Period 30 June 2022			
Exclusion Principle Applied NO			
BEE procurement recognition level	110%	Empowering Supplier	YES
Black Ownership	41.27%	Modified flow through	NO
Black Women Ownership	1.11%	Discounting Applied	NO
Black Designated Group	0.00%	Designated Group Supplier	NO
Black Disabled	0.00%	Black New Entrant	41.27%
Black Youth	0.00%	Participated in Y.E.S Program	NO
Black Unemployed	0.00%	Achieved YES & 2.5% Absorption	NO
Black People Living in Rural Areas	0.00%	Achieved 1.5 x YES & 5% Absorption	NO
Black Military Veterans	0.00%	Achieved Double YES & 5% Absorption	NO

ELEMENT	ELEMENT WEIGHTING	BONUS POINTS	ACTUAL SCORE
Ownership	25		18.33
Management control	19		7.14
Skills Development	20	5	21.19
Enterprise & Supplier Development	42	4	39.56
Socio-Economic Development	5		5.00
<b>Overall Score</b>	<b>111</b>	<b>9</b>	<b>91.21</b>

Thulebona Buthelezi  
Technical Signatory




Date of Issue  
12 May 2023  
Date of Expiry  
11 May 2024  
Re-issue Date  
17 May 2023  
Version  
2<sup>nd</sup> Issue

This Certificate is based on information provided to Izwelisha BEE Verification Agency by the client. This is an independent and impartial verification of the BEE status of the measured entity, based on the Amended Codes of Good Practice on Broad-Based Black Economic Empowerment gazetted on 31 May 2019 in Government Gazette No 36928 and 42496 and subsequent gazetted Sector Codes. This certificate has been compiled in good faith and Izwelisha BEE Verification Agency Pty Ltd will not accept any responsibility for any omission, nor will they be held liable for any loss or damage that may arise as a result of reliance on the certificate or the information related thereto. Should Izwelisha BEE Verification Agency Pty Ltd in its sole discretion adjudicate that the measured entity is misusing the B-BBEE Certificate, Izwelisha BEE Verification Agency Pty reserves the right to immediately withdraw the B-BBEE Certificate and the measured entity shall, upon written request by Izwelisha BEE Verification Agency Pty Ltd forthwith return the B-BBEE Certificate. The objective of our verification is to verify the validity and accuracy of the BBEE status represented by the measured entity.

65 Phillip Engelbrecht Drive  
Meyersdal  
Alberton

Tel: 011 867 1991  
Email: [info@izwelishabee.co.za](mailto:info@izwelishabee.co.za)  
Reg No: 2016/373328 / 07

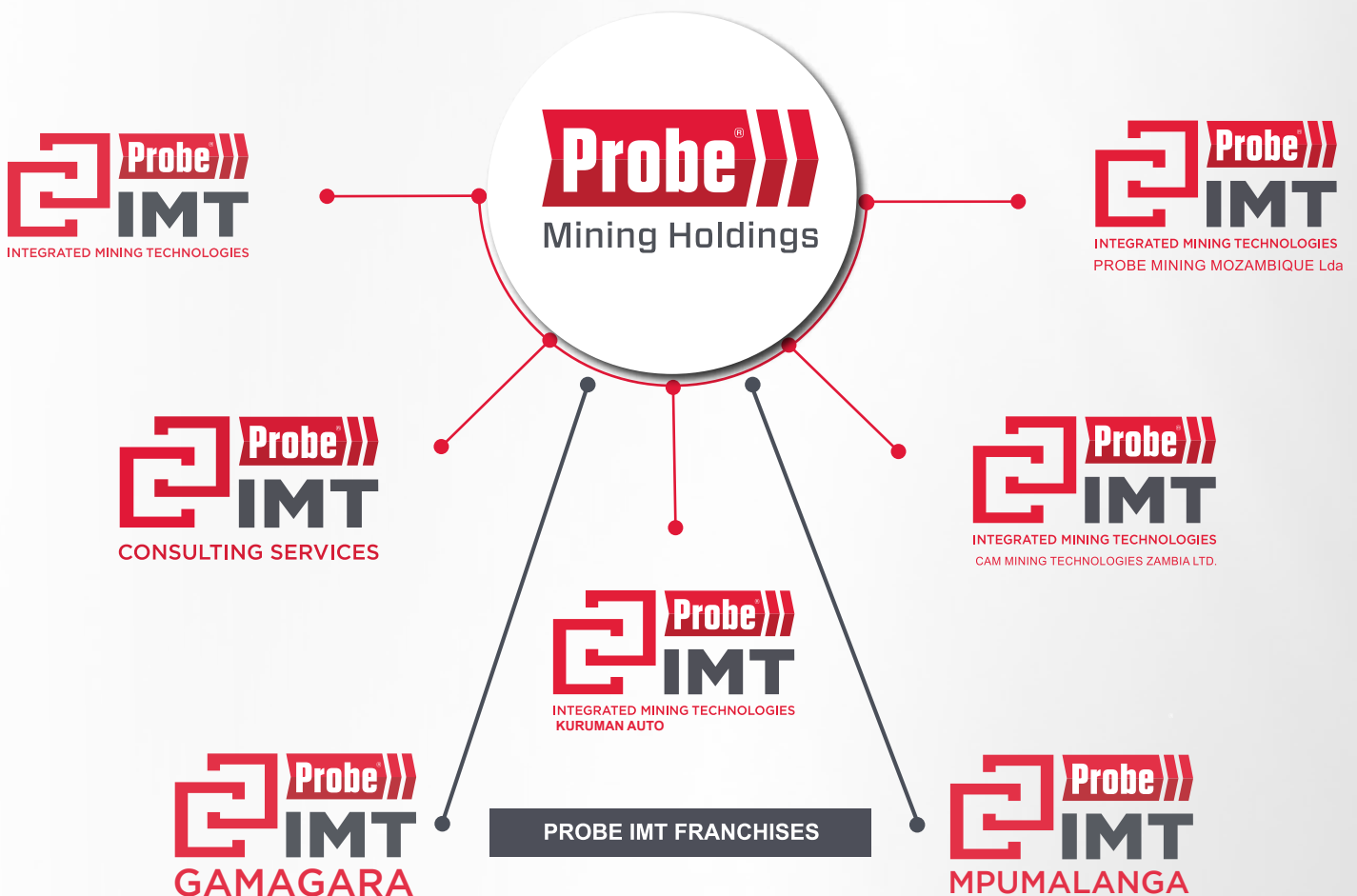


BVA258

Verification Certificate IZVA.COR07-D Version 3.00 Updated 08/11/2021

## OWNERSHIP AND B-BBEE SHAREHOLDING

The Probe Mining Group of Companies is part of the Probe Group. We have achieved a Level 3 Certificate with Black Ownership of 44%. In addition, Probe IMT is ISO 9001:2015 and ISO 45001:2018 certified and their Starters, Alternators & Batteries are ISO TS16949 certified.



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TEL: +260 967 377 187

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**DURBAN**

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**SPRINGBOK**

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**LYDENBURG**

TEL: +27 (0) 79 897 4091  
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**MOZAMBIQUE - TETE**

TEL: +258 (0) 84 393 1000  
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# Probe IMT

INTEGRATED MINING TECHNOLOGIES

