

DWYKA MINING SERVICES (PTY) LTD

COMPANY PROFILE

Dwyka Mining Services is a pan-African mining technology platform with active vendor status at over 65 Underground mining operations.

We are passionate about augmenting human effort in underground mining by supporting adaptation to the best available technology and empowering these teams with bespoke workflows for mine-wide adoption to improve safety, health and environmental conditions to manage the increasing complexity, costs and risks in underground mining.

CORE SKILLS

- Problem solving culture
- Project management specialists
- Underground-ready deployment teams
 - Strategic sourcing capabilities
 - Logistics expertise in Africa

FOCUS TECHNOLOGIES

- Visualisation solutions
- Real-time data solutions
- Connectivity solutions
- Reality capture solutions

Business premises and warehouse: Dwyka Mining Services' head office is in Gallagher Convention Centre, Midrand, Johannesburg. This acts as base for the mining technology team, and houses administration and finance teams. In November 2023, we acquired a warehouse 3km away from our office in Tillbury Office Park, Randjespark. At the latter facility we will receive and store goods, and perform activities such as assembly of mine fans.

Resources used to render products / services: Dwyka Mining Services has a team of 33 employees, most of which comprise Mining Technologists. Each team member actively works on a number of projects at any one time, and capacity for involvement in additional projects exists with each team member, and new members joining the Dwyka fold. Finance and operations teams are in-house. The company has a fleet of 8 vehicles used by teams to deploy to site, as well as for deliveries to clients.

GET IN TOUCH

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DWYKA MINING SERVICES SOLUTIONS IN A NUTSHELL

Real Time Data

Technology partner	Overview
Clemcorp Australia	With more than 25 years of underground mining ventilation experience, Clemcorp Australia is a leading global provider of robust ventilation equipment. They offer durable ventilation fans, backed by extensive engineering support for worldwide projects. Clemcorp's ventilation accessories, such as personnel access doors, airlocks, regulators, butterfly dampers, and mine ventilation louvers, adhere to the highest standards and are rigorously tested to withstand the challenging conditions of underground mining, especially in cost-sensitive African environments
Ekahau	Ekahau, a global leader in enterprise wireless network solutions, excels in meticulously tailored Wi-Fi designs that consider real-world environmental factors. Partnering with Ekahau eliminates uncertainty in wireless network design, ensuring exceptional Wi-Fi performance and reliability through optimized access point placement and ideal configurations.
Getac	Getac delivers industry-leading rugged computing technology, including laptops, tablets, and software solutions. Dwyka Mining Services has partnered with Getac to drive digital transformation in mining, ensuring reliability and performance even in challenging environments. Getac offers configurability, usability, and reliability for connected worker programs.
In-Situ	In-Situ's technology is recognized for industry-leading capabilities in water quality monitoring. It offers user-friendly features, precise data collection, and rugged instrumentation for durability. Dwyka's collaboration with In-Situ enables reliable environmental monitoring, emphasizing the crucial role of accurate data in efficient mine water management
LASE Solutions	LASE Industrielle Lasertechnik, a laser sensor industry leader for over 30 years, provides innovative solutions used across various sectors, including mining, logistics, steel, metal, and timber industries. Their range of 1D, 2D, and 3D laser measurement systems ensures precise data for profiles, positions, dimensions, and volumes. State-of-the-art laser tech and advanced software enhance productivity and safety, with scanners designed for indoor and outdoor use, even in harsh conditions. Dwyka Mining Services collaborates with LASE, delivering reliable scanning and volumetric measurement capabilities to African mining clients, enhancing productivity and safety
Maestro Digital Mine	Maestro Digital Mine Manufactures Industrial Internet of Things (IIOT) devices and last-mile digital networks for underground mining. Their solutions enhance safety, productivity, and environmental sustainability in mining. With installations in over 145 mines worldwide, their products range from air quality stations, airflow and gas sensors to rugged networking solutions for underground environments
Poynting	Poynting, a leader in antenna products, offers comprehensive wireless communication solutions spanning LTE, 3G, Wi-Fi, and RF technologies. Backed by a team of expert engineers, Poynting serves global industries with innovative and reliable antenna solutions. Dwyka Mining Services is a key distributor within Poynting's network, delivering tailored connectivity solutions to the African mining industry. This collaboration promises enhanced wireless communication and operational efficiency in mining operations across Africa.
Realwear	RealWear leads in assisted reality head-mounted displays, granting frontline workers immediate access to information and expertise, ensuring safety and productivity. These rugged head-mounted tablets offer hands-free operation and cater to applications like Remote Mentor Guidance, Digital Workflow Management, Visual Assistance, Industrial IoT Data and host of virtual tools for remote assistance

Visualisation

Technology Partner	Overview
Boston Dynamics	Boston Dynamics is a pioneering robotics company with a mission to create advanced robots that excel in mobility, dexterity, and intelligence. Known for its innovative robotic products. Dwyka Mining has partnered with Boston Dynamics to transform African Mining landscape by enhancing productivity, automating tasks, and improving worker safety. Boston Dynamics continually drives robotics innovation, emphasizing AI and machine learning
Howden	Howden, a global leader in air and gas manufacturing and digital solutions, combines engineering and technology to create safe and reliable solutions for multiple industries. They prioritize building trusted partnerships and collaborative work. Dwyka Mining Services collaborates with Howden and other ventilation solutions providers to integrate partner technologies with their expertise in underground connectivity and automation.
Inertial Sensing	Inertial Sensing is an industry leader in innovative surveying systems for mining and geotechnical applications. Their energy-efficient, high-accuracy MEMS technology, combined with customizable software, gives customers a competitive edge. Dwyka Mining Services collaborates with Inertial Sensing to offer industry-leading surveying technology in Africa, focusing on safer and more precise drilling with visualization capabilities.
Skycatch	Skycatch offers enterprise-grade photogrammetry drone mapping and data analytics for industrial firms, including mines. They provide a high-precision solution for drone surveying and high wall mapping, combining cutting-edge hardware and cloud-based software to deliver precise 3D models of vertical surfaces. Dwyka Mining Services partners with Skycatch, aiming to bring this value to the African mining industry through their aerial UAV software

Automation

Technology partner	Overview
Emesent	Emesent, a global leader in drone autonomy, SLAM LiDAR mapping, and data analytics, delivers revolutionary efficiency and safety insights to underground mining and other industries since 2018. Their flagship product, Hovermap, is a smart mobile scanning unit that uses advanced collision avoidance and autonomous flight technologies to map hazardous and GPS-denied environments. Dwyka Mining Services collaborates with Emesent to bring these innovative solutions to the African underground mining industry.
DJI	DJI manufactures commercial unmanned aerial vehicles (drones) for aerial photography and videography, empowering creators to capture images that were once inaccessible. Their products blend advanced technology with dynamic design, driven by relentless R&D and innovation. Professionals across industries rely on DJI for tasks in energy infrastructure, agriculture, search and rescue, conservation, and filmmaking, achieving greater efficiency and safety.
Wingtra	Wingtra, a top VTOL drone producer, specializes in fast and accurate survey-grade photogrammetry data. With a strong technological foundation, Wingtra has become a major player in drone surveying and mining. Dwyka Mining Services collaborates with Wingtra, offering high-precision mapping and survey solutions using WingtraOne Gen for surface mining clients, enabling larger, faster, and versatile mapping



www.dwykaminig.africa