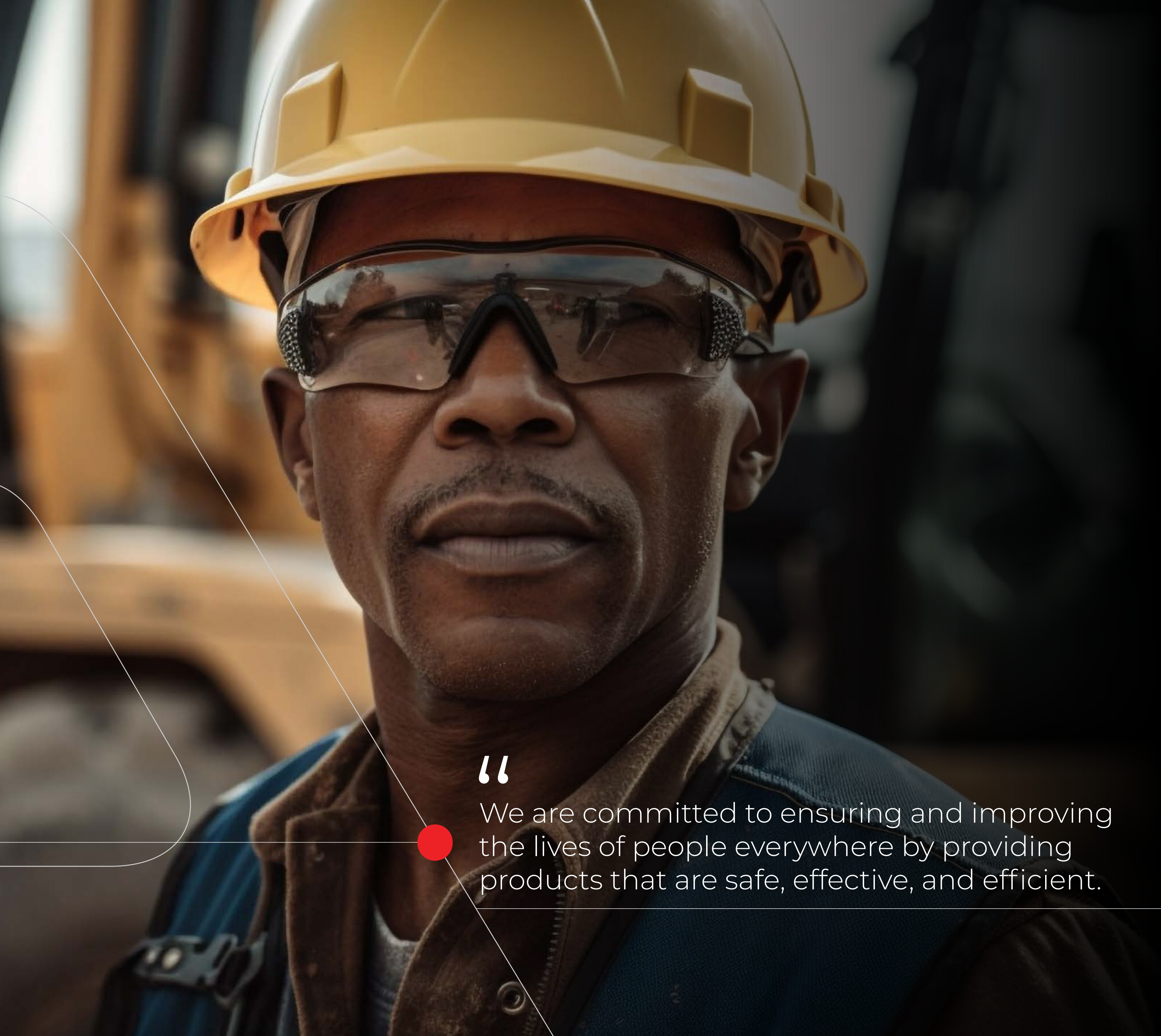




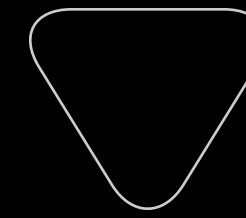
# PRODUCT CATALOGUE

**Stemwize**





We are committed to ensuring and improving the lives of people everywhere by providing products that are safe, effective, and efficient.



## GETTING TO KNOW US BETTER

### A New Dawn...

Stemwize are a leading blasting accessories supplier in South Africa. We have clients that span the entire mining industry. We service the mining industry by providing safe, innovative, and technically proven and tested products.

We have a rich history extending 15 years, and our expertise has helped us to become one of the most trusted suppliers in this industry.

With our focus on opencast, quarrying and underground mining operations, we are founded on three pillars:



Safety

We're committed to ensuring the safe use of our products. This is central to our product development and research initiatives, which are always driven by the highest standards of quality and safety.



Community Empowerment

We believe in contributing to the economic development of our communities, in which our operations and markets are based.



Technology & Innovation

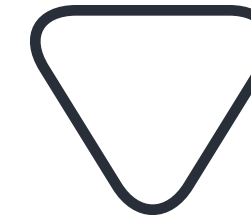
We are a company that brings world-class products to the market.



# SOLUTIONS TO MEET YOUR NEEDS



## PRODUCT & SERVICE OFFERING



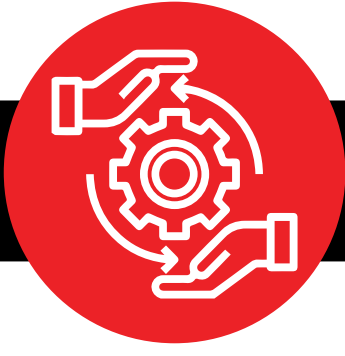
### Services

- Blast hole Stemming using stemming trucks
- Blast hole preparation
- Blast hole measurements such as temperature, water levels and hole depths
- Sleeving of Hot Holes

### Products

- Aggregate for stemming
- Anchoring Poles
- Blast Hole Markers
- Blast Hole Saver/ Cones
- Blast Balls
- Booster Weights
- Coolant for Hot Holes
- Clay Pigeons / Hole indicators
- Explosives Transport Boxes
- Foaming Plugs
- Lightning Detectors
- Measuring Tapes
- Multipoint Blast Eye
- Nylon Rope
- PVC Blast Sleeves for Hot Holes
- PVC Ventilation Ducting
- Pre-split bags
- Remote Detonation Units
- Stemming Plugs – concrete and plastic
- Temperature probes (K & J Type)
- Veggie Net
- Paraplug and Helixplug





## PRODUCT & SERVICE OFFERING

### PARAPLUG®

#### *Optimized Blasting Efficiency with Submersible Air-Decking*

##### **Key Benefits:**

- Explosive Savings: Create air-decks within boreholes, reducing explosive usage and optimizing energy distribution.
- Versatility: Fully submersible, ideal for both dry and submerged environments, ensuring consistent performance.
- Enhanced Safety: Minimizes fly-rock, reduces physical effort in the stemming process, and lowers emissions.
- Better Fragmentation: Achieve superior rock fragmentation with less overburden and improved bench quality.

##### **Applications:**

- Collar Zone Air-Deck: For better fragmentation and reduced fly-rock.
- Bottom Air-Deck: Reduces over-drilling and enhances bench quality.
- Mineral Layer Protection: Protects valuable layers during blasting operations.



##### **Sizes:**

- 171mm, 200mm, 251mm
- Larger sizes are available upon special request.
- Paraplug® 12" 1/4 (312mm)
- Paraplug® 10" 5/8 (270mm)
- Paraplug® 9" 7/8 (250mm)
- Paraplug® 9" (230mm)
- Paraplug® 7 7/8" (197mm)
- Paraplug® 6 3/4" (172 mm)

### HELIXPLUG®

#### *Advanced air-decking for challenging blasting conditions*

##### **Key benefits:**

- Efficient use of explosives: reduces explosive requirements while maintaining high blasting performance.
- Challenging environments: effective in flooded boreholes, caverns, and submerged conditions without additional tools.
- Safety first: eliminates or reduces fly-rock and minimizes machinery movement, enhancing on-site safety.
- Environmental stewardship: lowers nitrous gas emissions, decreases vibration, and cuts fuel consumption.

##### **Applications:**

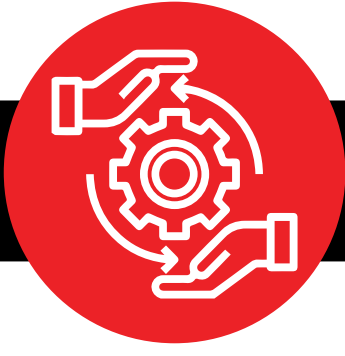
- Flooded boreholes: converts flooded conditions to dry for consistent results.
- Caverns and submerged zones: controls explosive loads in complex geological conditions.
- Air-decking: efficiently creates air-decks in both collar and bottom zones of boreholes.



##### **Sizes:**

- Starting from 152mm 6" through to 76mm 3" holes
- Helixplug® 6" (152 mm)
- Helixplug® 5 1/2" (140 mm)
- Helixplug® 4 1/2" (114 mm)
- Helixplug® 4" (101 mm)
- Helixplug® 3 1/2" (89 mm)
- Helixplug® 3" (76 mm)





## PRODUCT & SERVICE OFFERING

### PVC Blast Bags



#### PVC Blast Bags

Engineered for resilience, our PVC Blast Bags are available in a range of lengths from 6m to 30m, and in thicknesses of 550GSM and 700GSM. Compatible with hole diameters of 171mm, 200mm, and 250mm, these bags are built to withstand tough conditions.

### Vegi-Net



#### Vegi-Net

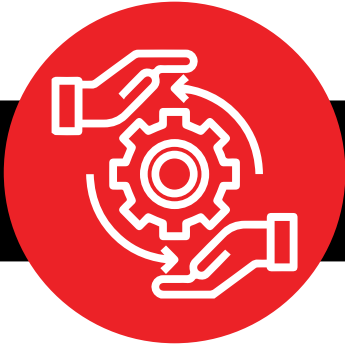
- Material Codes
- 1kg x 150m
- 3kg x 150m
- All colours

### Booster Weights



#### Booster Weights

Ensure precise blasting results with our Booster Weights, available in 300g and 1kg options. Suitable for hole sizes ranging from 127mm to 311mm, they are designed to optimize energy transfer and enhance blast efficiency.



## PRODUCT & SERVICE OFFERING

### LDV Explosives Transport Boxes



#### Explosives Transport Box

Safely transport up to 16 cases of explosives with our robust Transport Boxes, complete with a Bakkie mounting frame for secure and easy installation.

### Blast Hole Cover



#### Blast Hole Covers/Hole Savers

Protect your blast holes with our durable covers, available in hard or soft plastic options. Sized at 200mm and 250mm, they ensure optimal safety and maintain hole integrity.

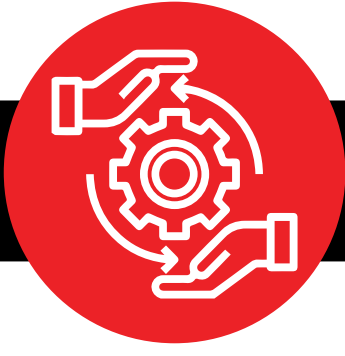
### Blasthole Markers



#### Blasthole Markers

Easily identify blast holes with our color-coded markers, available in sizes 150x150x450mm. Choose from Yellow, Red, Blue, or White to suit your site's needs.





## PRODUCT & SERVICE OFFERING

### Anchoring Poles



#### Pre-Split Anchoring Poles

- Material Code:
- 1,100mmx 50mm
- 500mmx32-50mm

### Clay Pigeons hole indicators



#### Clay Pigeons

- Sizes: 150mm

### Measuring Tapes



#### Measuring Tapes

- Sizes 10m, 20m, 30m, 50m, 60m Tapes

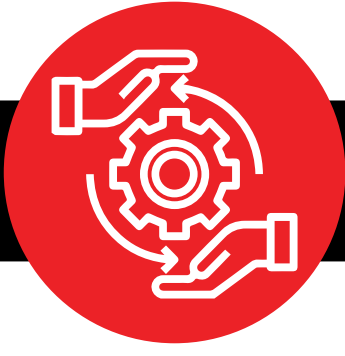
### PVC Ventilation Ducting



#### PVC Ventilation Ducting

- Sizes 300mm to 3000mm.





## PRODUCT & SERVICE OFFERING

### Blast Ball



**Blast Ball hole sizes:**

- 154mm, 165mm, 171mm, 180mm, 200mm, 250mm and 254mm

### Concrete Plugs



**Concrete Plugs for holes sizes:**

- 141mm, 171mm, 165mm 200mm and 250mm

### Nylon Rope



**Blasting Nylon Rope/ Ski Rope**

- 6mm, 8mm and 10mm
- Yellow, Blue

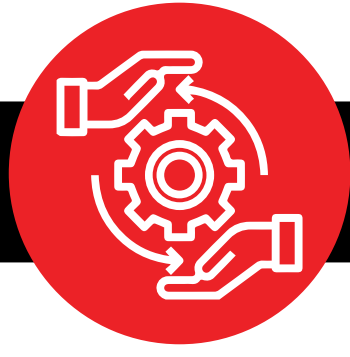
### Stemming Aggregate



**Stemming Aggregate**

Our high-quality Stemming Aggregate, available in 19mm and 22mm sizes, enhances blasting efficiency by reducing overburden movement and ensuring optimal energy retention.





## PRODUCT & SERVICE OFFERING

### Temperature probes



#### Temperature Probes

Monitor blast conditions accurately with our Type K and Type J Thermocouples, available in 50m reels for extended reach and precision.

### Remote Blasting Unit



### Multipoint Blast Eye



#### Cable Lengths:

- BlastEye Mk2 Sensor cable, 7m, 1 sensor
- BlastEye Mk2 Sensor cable, 12m, 2 sensors
- BlastEye Mk2 Sensor cable, 17m, 3 sensors
- BlastEye Mk2 Sensor cable, 22m, 4 sensors
- BlastEye Mk2 Sensor cable, 27m, 5 sensors
- BlastEye Mk2 Sensor cable, 32m, 6 sensors
- BlastEye Mk2 Sensor cable, 37m, 7 sensors
- BlastEye Mk2 Sensor cable, 42m, 8 sensors





## PRODUCT & SERVICE OFFERING

**Our stemming truck is designed for opencast mining. This form of stemming will revolutionise stemming practices.**

### WHY STEMMING TRUCKS?

- Allows you to use inert aggregate to stem
- Lowers explosive usage.
- Improved energy retention from blasting, leading to better fragmentation (Increased production rates and lower maintenance costs)
- Reduces amount of people on the block and time spent on the block
- More consistent volume per hole than with a spade or skid steer
- Less sleepovers on the block
- Lower overall cost

***“Ultimately they lower safety risk, reduce cost and increase blast efficiency.”***

### WHY AN ADT STEMMING TRUCK ADVANTAGES

- Robust for all terrains
- Lead time to own/hire significantly less
- SIGNIFICANTLY cheaper than road stemming Truck
- Larger payload capacity
- Maintenance friendly
- Can repurpose ADT trucks

### ADDING VALUE TO OUR CLIENTS OPERATIONS

Reducing fly rock (Better retention of energy in blast)

Reducing amount of explosives used (Cost)

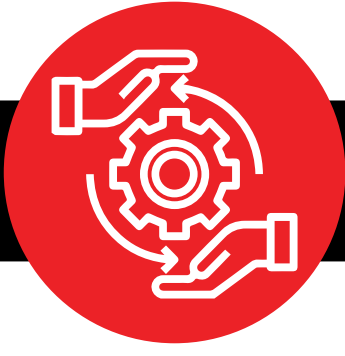
Reducing amount of people on the block (Safety)

Better fragmentation (Increased production rates and better machine availabilities)



**Stemwize**





## PRODUCT & SERVICE OFFERING

### Down the Hole services

Blast hole  
Stemming using  
stemming trucks

Blast hole  
preparation

Blast hole  
measurements  
such as  
temperature,  
water levels and  
hole depths

Sleeving of Hot  
Holes







WE VALUE YOU

## OUR SERVICE PROMISE

At Stemwize, we formulate better ways to manage your mining projects, starting with the understanding that if we listen more intently and collaborate more closely, together we will help create your vision of a safe and accident free mining environment.

Our approach has been developed, tested and productive since our inception. We have steadily built a reputation as quality and responsive professionals in the industry, adding value to our customers throughout the project process. We offer our customers the opportunity to concentrate on their own core business of mining whilst we take care of their technical support services and consumables supply chain concerns.

## GET IN TOUCH WITH US

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# Stemwize