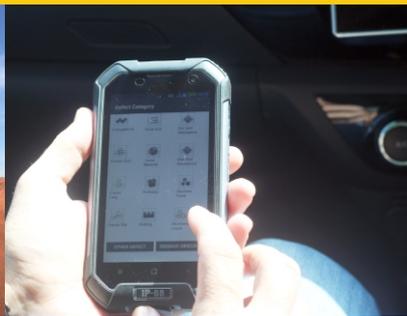




**DUST-A-SIDE<sup>®</sup>**



Dust & Road Management



Added Value Quantification



Underground Road Management



Dust Suppression Systems

# TOTAL DUST MANAGEMENT



# Total Dust Management Solution

Dust-A-Side is an international company which has channelled more than 40 years of experience in Total Dust Management. Our Total Dust Management services include dust and road management for opencast and underground mines, treating in excess of 13 000 000m<sup>2</sup> of mine haul roads. We offer full dust suppression services for material handling applications. Dust-A-Side has a global presence spanning over 9 countries.



## MANAGEMENT OF MINE ROADS AND DUST SUPPRESSION

Full road management services for opencast and underground mines including initial treatment, continuous maintenance programme and road quality monitoring.

## DUST SUPPRESSION SYSTEMS

Dust suppression for material handling applications:

- Tipping areas
- Conveyor transfer points
- Crushers
- Screens
- Stockpile, stacking and reclaiming
- Loading terminals
- Transfer chutes

- High pressure Dust Suppression Systems (50 to 70 bars)
- Low pressure Dust Prevention Systems (4 to 6 bars)
- No modification of chemical content and moisture content of the material treated
- >80% dust reduction

## FOG CANON TECHNOLOGY

The Fog Cannons can be used in the following applications: Dust Suppression on Waste Dumps, Mobile Fog Cannon dust suppressions systems e.g. Tipping Bins, Rail and Ship Loading

## STOCKPILE SEALING

Ideal application for sealing products in rail wagons and mine stockpiles.

## ADDED VALUE QUANTIFICATION

### DASMetrics

Road Condition Monitoring & Reporting System - Helps to prioritize maintenance schedules, live data logged every minute and can be accessed any time

## DUST MONITORING

### DasDMR

Dust Concentration Measurement System that measures dust concentrations along with wind speed and direction, in real time.



# PRODUCTS

## Dust-A-Side Product

Based on Bitumen emulsion technology

Creates a sealed, dust free, greater safety performance and an all weather haul road surface



## AcriBind

Based on a blend of Polymer and Lignosulphonate technology

Creates a partially sealed road surface

Excellent dust suppression capabilities



## HydroSperse

Based on a combination of Lignosulphonate and Bitumen emulsion technology

Creates a semi-sealed road surface

Resistant to leaching

Excellent dust suppression capabilities



## AquaTarp

Based on Polymer technology

Creates a hard and stabilized surface

Increase load bearing capacity

Mostly used for hard-park areas or areas that require extra stabilization

Also used as a sealing product in rail wagons and stockpiles



## HydroWet

Based on Surfactant technology

Has no binding abilities but facilitates the compaction of the road

It is an excellent wetting agent

Very low dosage required



## HydroTac

Based on Lignosulphonate technology

Creates a bound crusted road surface



# The Dust-A-Side Value Add

A safer working environment | Effective dust suppression | >90% water savings  
Reduced rolling resistance | Decreased diesel consumption | Increased tyre life  
Improved hauling cycle time | Reduction of HME repairs and maintenance budget  
No recapping required | Reduced production downtime after rain  
No investment in road maintenance equipment | Increased productivity



FUEL SAVINGS



TYRE SAVINGS



WATER SAVINGS



SAFETY



ENVIRONMENTALLY FRIENDLY



NO RECAPPING REQUIRED



INCREASED PRODUCTIVITY



EFFECTIVE DUST SUPPRESSION



Dust & Road Management



Dust Monitoring



Stockpile Sealing



Fog Canon Technology

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