



MHSC

Mine Health and Safety Council

***Mpumalanga Underground Coal Mines
Regional Tripartite Forum***

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Introduction

- **Regional Tripartite Forums across South Africa**
- **Mpumalanga UG Coal Mines Regional Tripartite**
- **Employer , DMR and the employee (Representatives)**
- **Coordinated through the MHSC as per MHSA**
- **Best practice sharing**
- **Platform for resolution and meeting ground**
- **MHSA amendments**
- **Steercom committee elected every 2 years**
- **Four Meetings a year**



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Introduction

➤ RTF UG Coal Mines Mpumalanga Steercom Commitee



Introduction



NAME: Lugisani Nefale

Photo	Position	XX	Career History (include both External and Internal history)	
	Line Manager	Grabriel Mogale	Internal:	
	Location	Irenedale South	2018/10 -To Date	Section Engineer – Sasol Mining
	Age	32	External:	
	Qualifications (Formal Education & Training)	- BSc Mechanical Engineering (UCT) - Government Certificate of Competency (DMR) - Post Graduate Diploma in Business Management (Regenesys Business School) - GIBS MBA Candidate	2018/04 - 2018/09	Section Engineer - Anglo American Coal Rapid Loading Terminal Plant
			2014/11 - 2018/03	Section Engineer - Simunye Shaft, UG Goedeheop Colliery , Anglo Coal
			2014/04 - 2014/10	Section Engineer - Surface Services Goedeheop Colliery , Anglo Coal
			2013/10 - 2014/03	Project Engineer - Central Workshop Anglo American Coal UG Mines
			2010/01 - 2013/09	Junior Engineer - Mafube Colliery Opencast and Plant Acted : Foreman , CFM and Engineer UG Coal Mining Training Hard Rock Mining Exposure
			2005 - 2008	Vacational Student : Anglo Mines Kriel, Landau, New Vaal and Goedeheop Projects: Tip Bin , Continous Miner WetHead and Workshop Optimization

OUR Sasol Mining

2

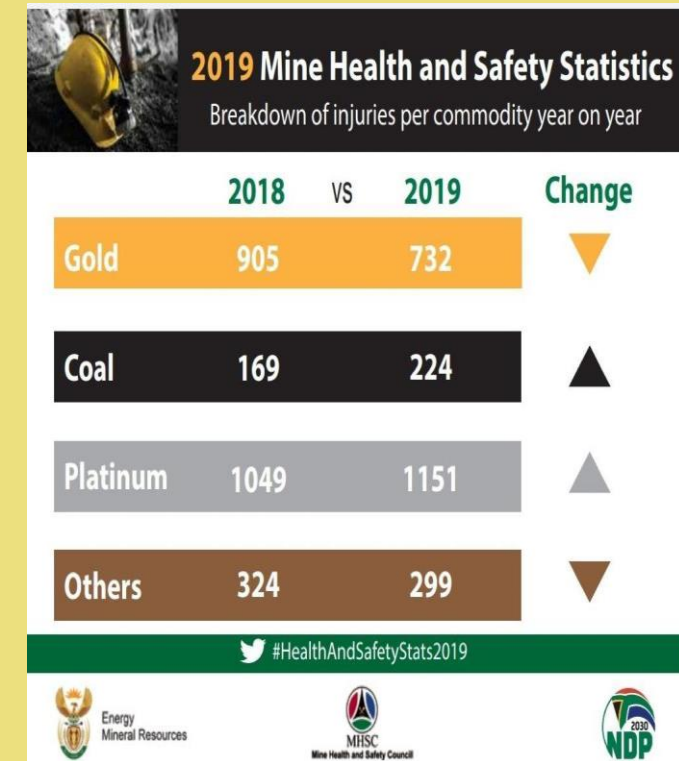
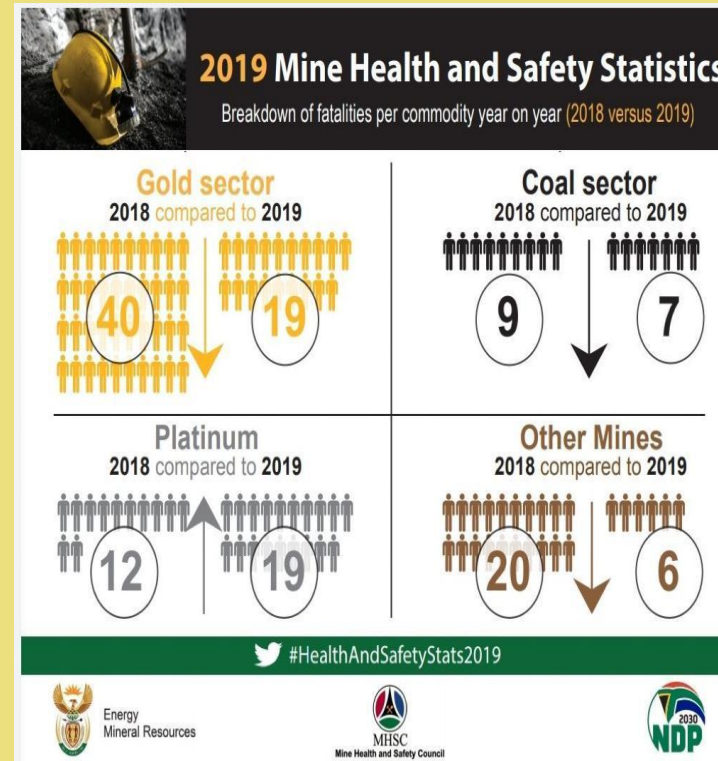
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Safety Statistics

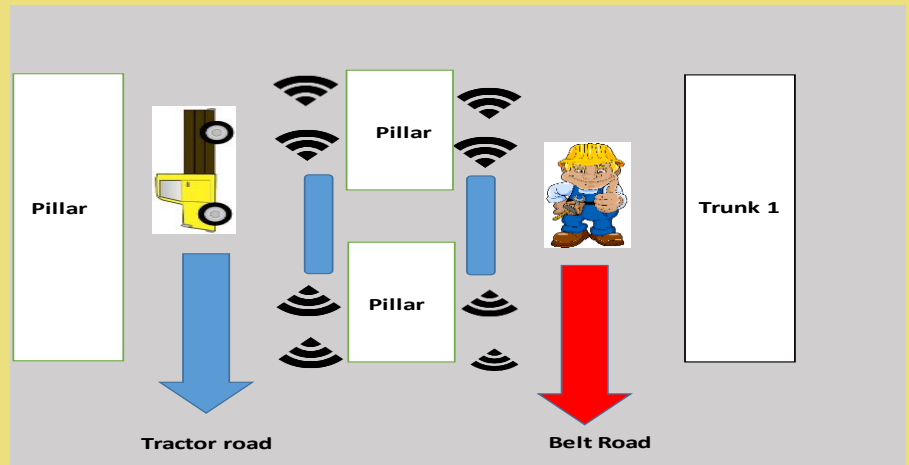
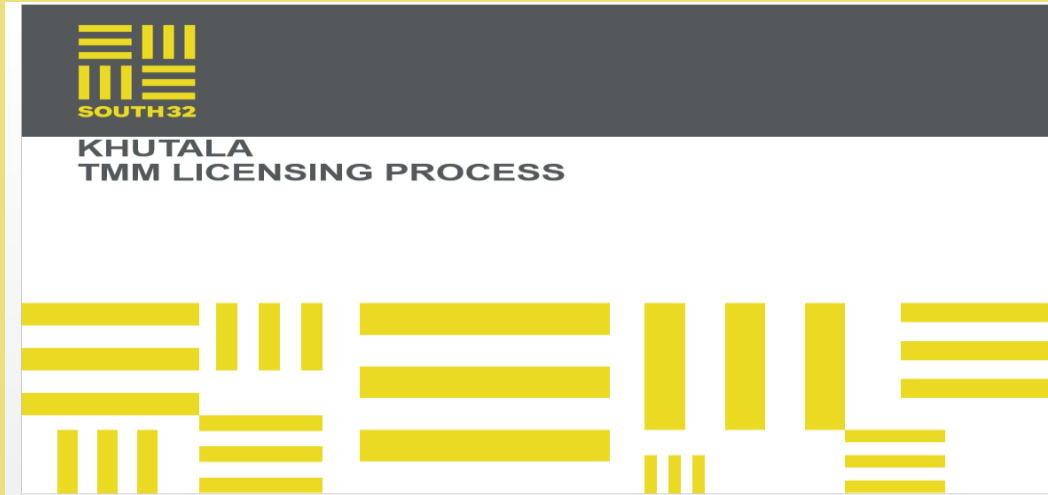


Previous Work

- Proximity Detection Systems
- Fourth Industrial Revolution in Mining
- Fall of Ground
- Health and Hygiene
- Training
- Cultural Transformation Milestones
- DMR Interactions



Previous Work



Previous Work



Future Work

- Task Teams : Women in Mining, Safety Behaviour , TMM , FOG
Material Handling , Health and Hygiene ,
Conveyor Belts
- Fourth Industrial Revolution in Mining
- DMR Interactions
- Unions Interactions
- MHSC and National RTFs Networks
- Suppliers Involvement
- Industry Awards

2019: Coal Mines Injuries per Classification			
Classification	01V012018-1V1V2018	01V012019-1V1V2019	% Change
FALL OF GROUND/rockfall	8	10	25
MACHINERY	16	16	0
TRANSPORTATION AND MINING	24	51	113
GENERAL	89	110	24
CONVEYANCE ACCIDENTS (SHAFT/WINZE)	0	0	0
ELECTRICITY (Not causing fire)	4	7	75
FIRES	0	0	0
EXPLOSIVES	1	0	-100
SUBSIDENCE OR CAVING	0	0	0
HEAT SICKNESS	0	0	0
DIVING SICKNESS	0	0	0
OCCUPATIONAL DISEASES	1	0	-100
MISCELLANEOUS (specify)	4	2	-50
TOTAL	147	196	33



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Future Work

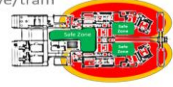




STRATA
WORLDWIDE

PDS System Improvements

- DC One Config: Controller Card** Improved Surge/ESD & EFT electrical protection. Multiple Machine Configurations on one Card
- Pump on/off:** Only have PDS fields when machine pump is on and can move/tram. Enables logging of only high risk interactions (less data for Behaviour Management)
- Bolter Zones:** Bolting and tramming zone configuration (incl. different silent zones)
- LHD 3rd Speed:** Enlarges LHD fields in 3rd speed for collision avoidance at higher speeds. Normal fields in 1st and 2nd speeds
- LHD Man Cage:** Quick connect man cage silent zone facilitates safe use of man cage
- TPL 2 SOS Stop:** TPL detects interference (GDI) and sends out Stop command to all equipment in RF line of site.







KHUTALA TMM CHECKLIST PROCESS




Role of SACHRA in the RTF

- **HR Personnel to attend RTF**
- **Participation in Task Teams**
- **Release employees for RTF**
- **Release employees for Task Teams**
- **Technical expertise involvement e.g Incapacitation procedure**



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Discussion



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