



Doornkop Mine In-stope Illumination

Improved
Underground
Workface Availability

**MINING WITH
PURPOSE**



PRESENTATION CONTENTS

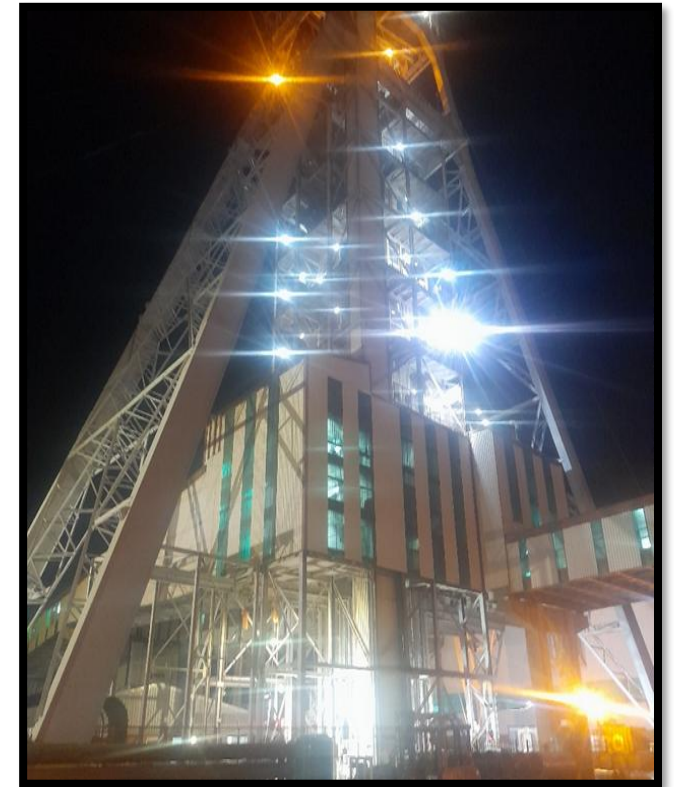
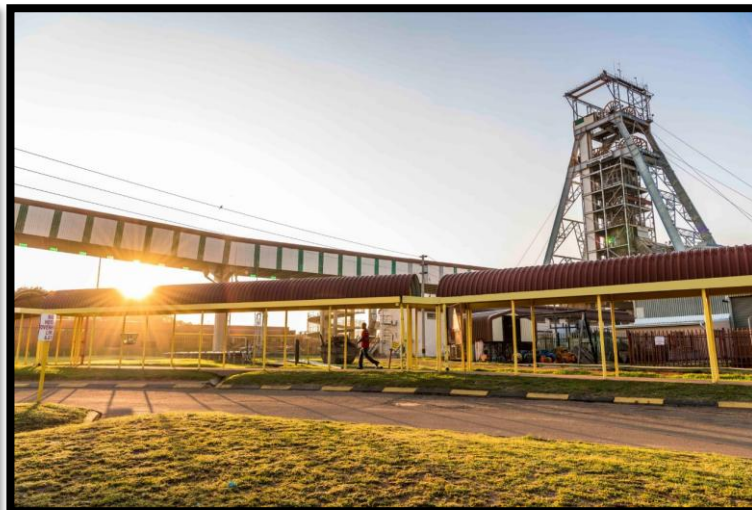


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INTRODUCTION



Doornkop is a deep-level, single-shaft operation in Gauteng, some 30km west of Johannesburg, on the northern rim of the Witwatersrand Basin. While a mature operation, Doornkop still has 15 years life-of-mine remaining and is focused on narrow-reef conventional mining of the gold-bearing conglomerate South Reef. Ore is processed at the Doornkop plant, which uses the carbon-in-pulp process to extract gold.



PROJECT TIMELINE



13 August 2024

Visit to Mponeng Mine
with Joint Health &
Safety Committee

07 November 2024

- Underground Site Establishment
- Drafting of IBRA and procedures for installation

11 November 2024

- First underground pilot installation at 197 level S16 N4 panel

Jan 2025-February 2025

- Stock creation (10 100m installation delivery)
- Training center mock up installation (20 February 2025)
- Assessors Training on the 26 February 2025

06 March 2025

- 3x 100m installation with Joint Health and Safety Committee at 197 level S16

CREW FEEDBACK AND FINDINGS



TEST CREWS FEEDBACK

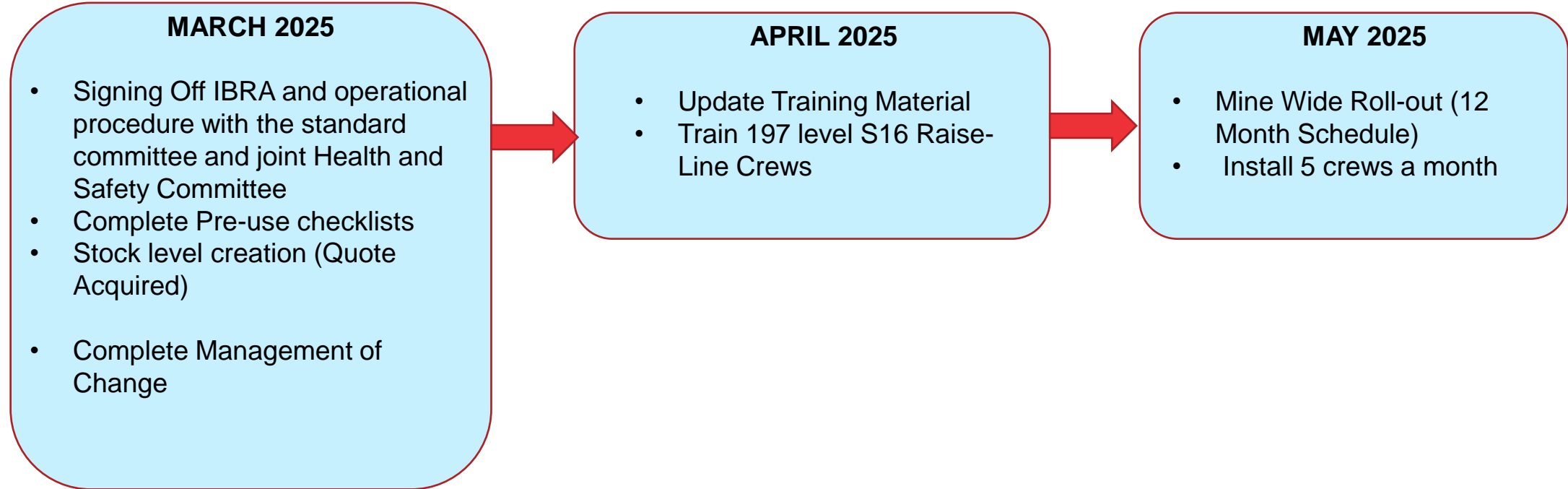
- Extremely positive
- Do not ever want to work without LED strips again
- Asks for an additional crew member

FINDINGS

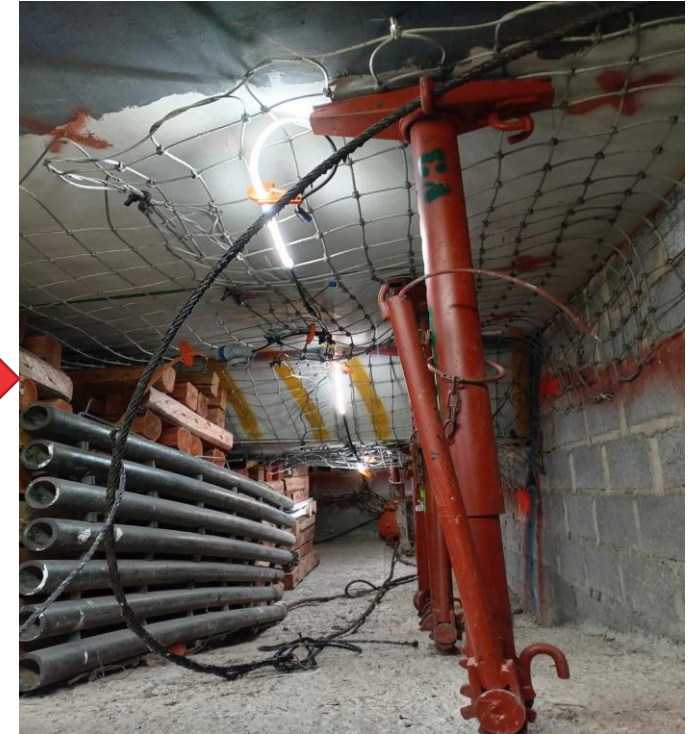
- Time study shows 30 min required for one person to install 60 m of LED strips (two panels, one crew)
- 36 Volt spec (& IP68 rating) negates risk of electrocution or setting timber/flammable gas alight, can therefore be installed against Timber
- No durability challenges yet (early days)

Preliminary test outcome: Pass

PLANNED PROCESSES



PHOTOS



QUESTIONS

