

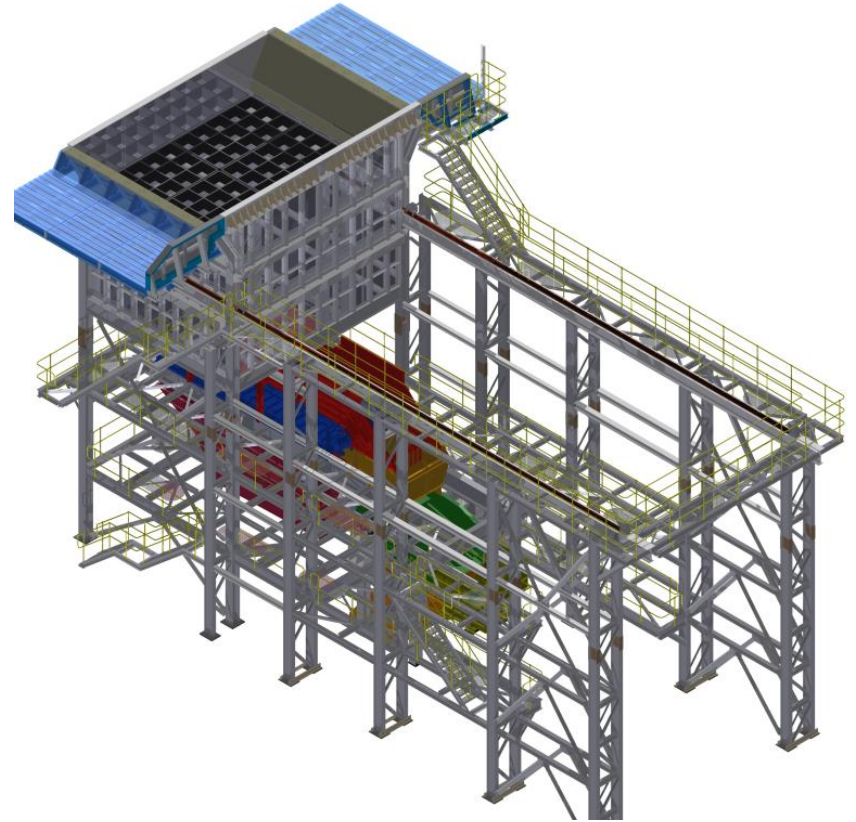
WELCOME TO SANDVIK MINING SYSTEMS AFRICA



INTRODUCTION

ZIMBABWE PLATINUM : NQEZI MINE

- **Project History** : 15 years
 - 2005 - Portal 2
 - 2009 - Portal 1
 - 2009 - Concentrator : (Phase 1)
 - 2010 - Portal 4 : (Underground)
 - 2013 - Portal 3 : (Surface)
 - 2013 - Concentrator : (Phase 2)
 - 2014 - Portal 3 : (Underground)
 - *2017 - Portal 4 (Upgrade) : Current*
 - *2017 - Portal 6 (BFS) : Current*



SURVIVAL

BALANCE

- Decision
- Shareholder
- Profitability



GAME CHANGERS

INNOVATION

- **UG** : Mechanization
- **UG** : Vertical Material Handling
- **IPCC** : In-pit Crushing & Conveying



GAME CHANGERS

MECHANIZATION

- Continuous Handling System
 - Utilization of proven technologies
 - Sicon conveyor
 - Continuous miner
 - Automated bolting



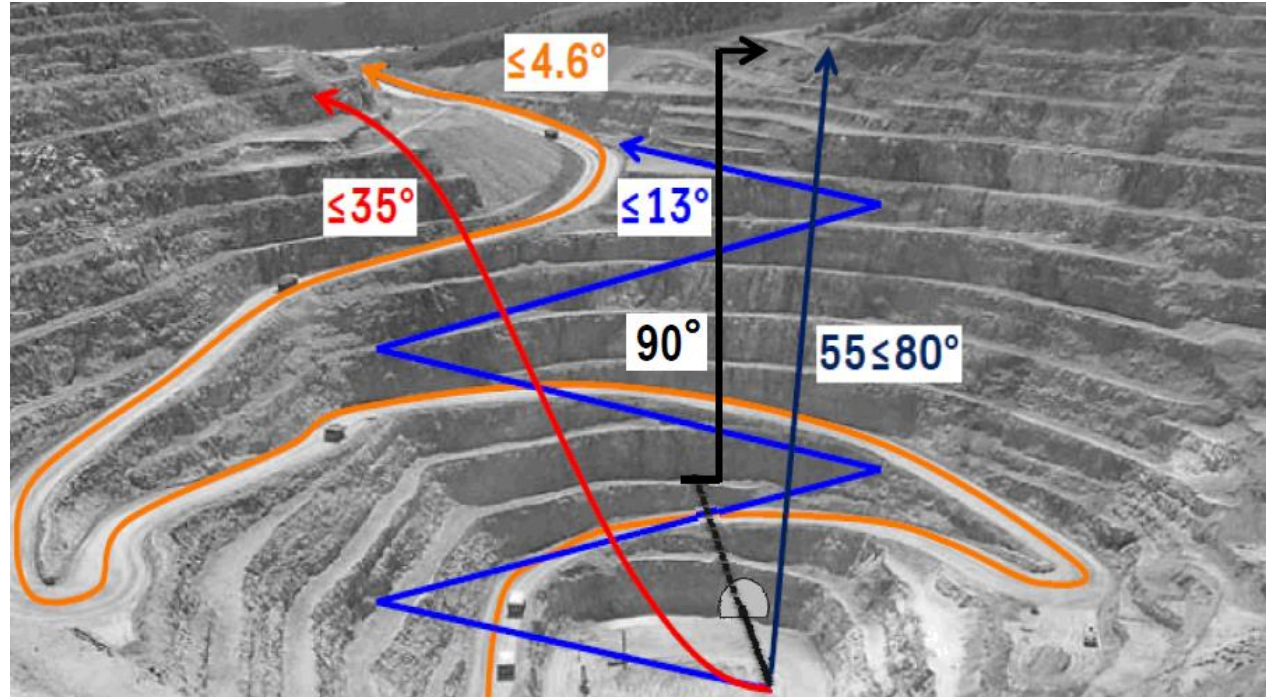


GAME CHANGERS

1. Truck Haulage 2. Skip hoist 3. Belt conveyor 4. MegaPipe 5. Pocketlift

MATERIAL HANDLING

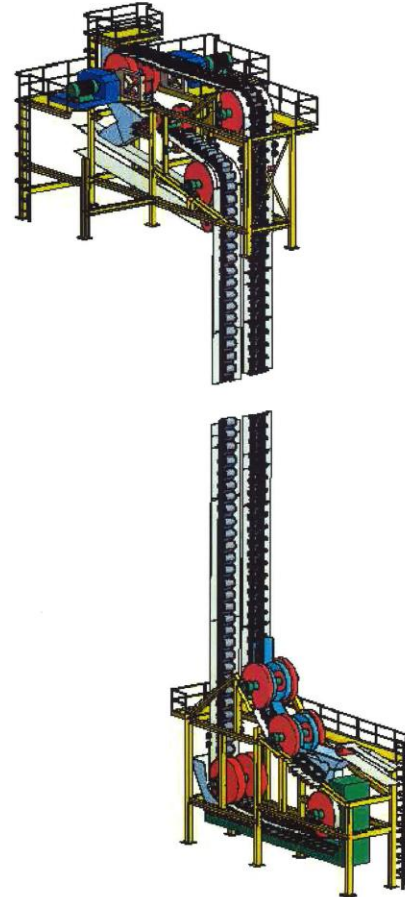
- Truck Haulage
- Skip hoist
- Belt conveyors
- Mega Pipe Conveyor
- Pocket lift



GAME CHANGERS

VERTICAL MATERIAL HANDLING

- Pocket lift Conveyor
 - Multiple vertical lift possible
 - High capacities
 - Case study
 - Capacity 3,000 tph
 - Vertical lift 200 m
- Benefits
 - Cost reduction (I.e. Capital, Power & OPEX)
 - System simplicity



Continental 
CONTITECH

POCKETLIFT®

GAME CHANGERS

IN-PIT CRUSHING & CONVEYING

- IPCC Application
 - Outside the Pit
 - Inside the Pit
- IPCC Benefits
 - Safety
 - Cost reduction
 - System mechanization



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