

Mining Automation



ATC131

Tele Remote Control @ Underground Mining

- Remote Operation & lower Risk
- Anti-Collision system
- Automated Load and Dump
- Higher Equipment Utilization



Production Automation:

Automated Steer and Dump with higher accuracy
Automated or Remote Control Loading

Keep operators far away from working face:

One operator can control multi equipment

Customized Solutions based on specific mining conditions:

- Tele remote v1.0: easy to install and remote control
- Tele remote v2.0: one equipment / Single production area, Automated operation
- Tele remote v3.0: Multi equipment remote controlled, and 1-in-1 production automated operation

Extended Features:

Anti-Collision between tunnel and equipment
Access control in production area & Emergency system
Equipment Monitoring & Maintenance system

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Get in touch with ALPHA to have customized Mine Automation System:

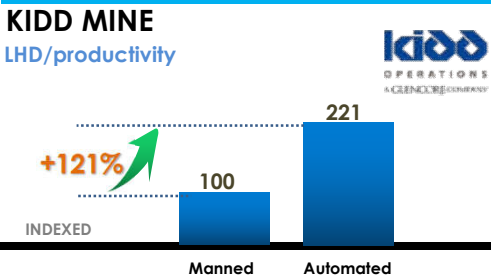
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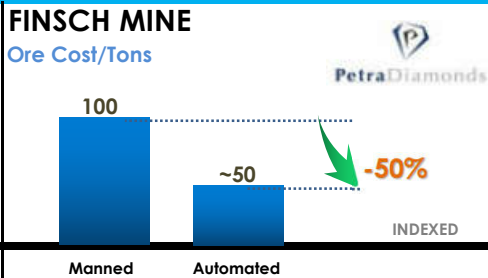
Data Tells the Truth

Data Resource: SANDVIK



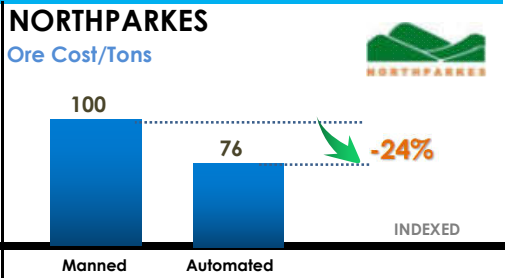
Optimization in equipment utilization brings:

- 121% Increased Daily Production
- 52% Enhanced Daily Traffic



Higher Speed and utilization brings:

- Trucks decreased from 10 to 7
- Operators decreased from 10 to 2
- Maintenance cost 60% decreased
- Equipment service life 35% increased



Optimization in equipment utilization brings:

- 23% Increased Daily Production
- Operators decreased from 7 to 3
- More stable and continuous production