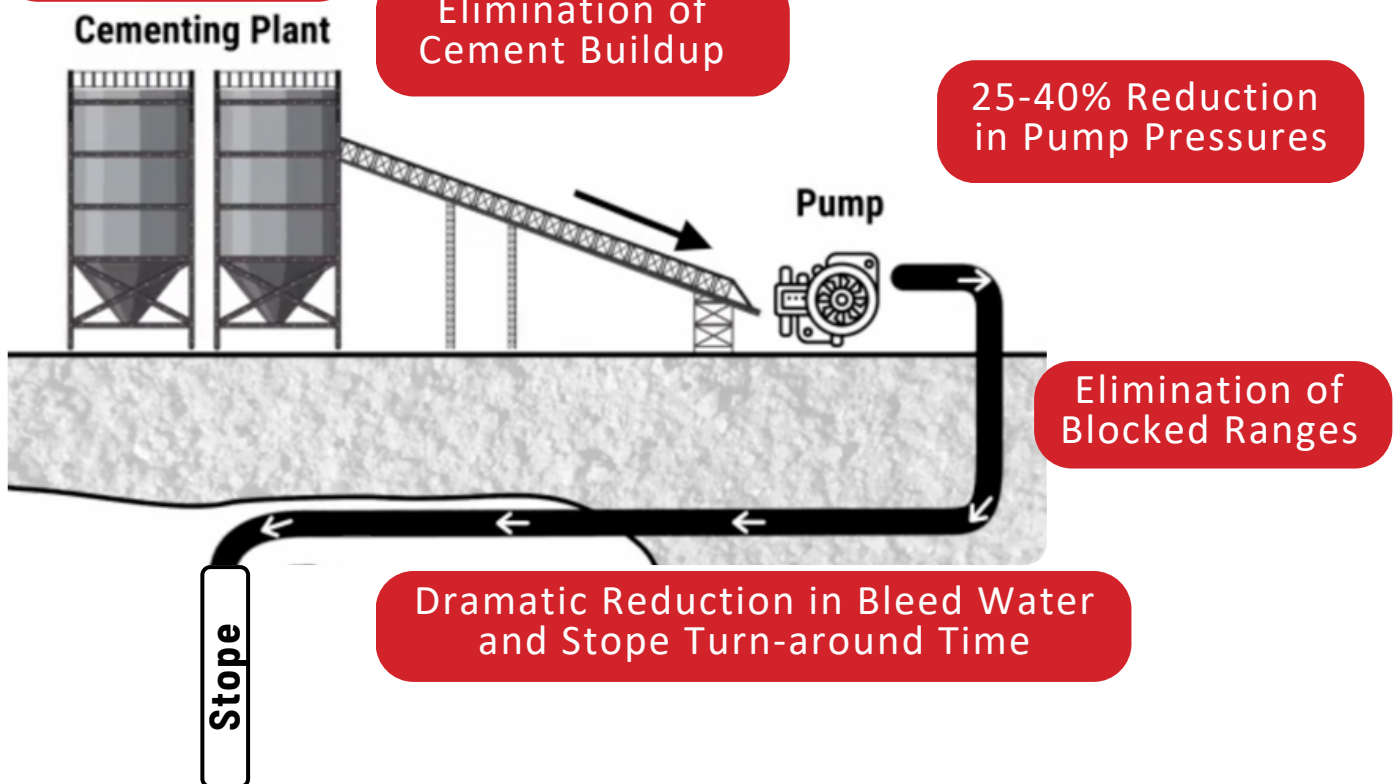


Backfill and Slurry Value Proposition

20 - 45%
Less Cement

Elimination of
Cement Buildup

25-40% Reduction
in Pump Pressures



Other Benefits:

- ✓ Elimination of Cement Wastage
- ✓ Increased Flow Properties at Higher Densities
- ✓ Generic Skills Transfer
- ✓ Higher Productivity through Increased Output
- ✓ Improved Pillar Filling and Underground Safety through Rapid Settling

Geotechnical value:

- ✓ Restricts Opening of Cracks and Convergence of Openings
- ✓ Dramatically Improve the Cooling Efficiencies by Reducing the Space
- ✓ Improve Regional Stope Stability
- ✓ Solid Stope Wall Support prevents Fall of Ground (FOG)
- ✓ Acid Mine Drainage (AMD) or Contaminated Neutral Drainage (CND) prevented

About SwissPIR

SwissPIR's chemical and operational solutions redefine mining performance across Africa. Through Vivo Energy, SwissPIR brings world-class innovation directly to mine sites to unlock safer operations, greater efficiencies, and higher-yields.