

# eMalahleni Water Reclamation Plant

*eMalahleni, Mpumalanga, South Africa*



**55 MLD**  
water treated



Gypsum used in  
construction

**HiPRO™**



**95-99%**  
plant recovery



Supports local  
water supply

Transforming Acid Mine Drainage into  
Safe Drinking Water

## CHALLENGES

- Unmanaged acid mine drainage
- Polluted water sources
- No reuse potential

## SOLUTION & TECHNOLOGIES

- The plant produces up to **45,000 m<sup>3</sup>/day** of drinking water with a **99–99.5%** recovery rate.
- the plant reduces contamination and supports sustainability goals.
- Gypsum sludge is recovered and sold to the manufacturing industry.

## BENEFITS

- ✓ Potable water for communities
- ✓ Saleable by-product
- ✓ Reduced environmental footprint