

# Soft Starters for the Mining Industry

## Driving Critical Ventilation Fans

Motor ratings: 6600V, 1MW  
Kahama Gold Mine, Tanzania



Mobile electric room for exhaust fans

With nearly 1000 employees, the Kahama Gold Mine is considered to be Tanzania's largest underground mining investment. Solcon's HRVS-DN medium voltage soft starters were specified for controlling the fresh air ventilation fans in this massive underground mining venture.

Starting these four 1MW fans with a 6.6KV, 300A soft-starter not only eliminates the high inrush current that disrupts the power grid on every direct-on-line start, but it also allows for constant monitoring of the fan's "vital signs" for preventative maintenance purposes. This is accomplished via the advanced motor protection system in the HRVS-DN soft starter.



- "All in One" version, including:
- Main Switch
  - Fuses
  - Motor Protection Relay and Digital Power Meter



One of the 3m diameter mine exhaust fans