

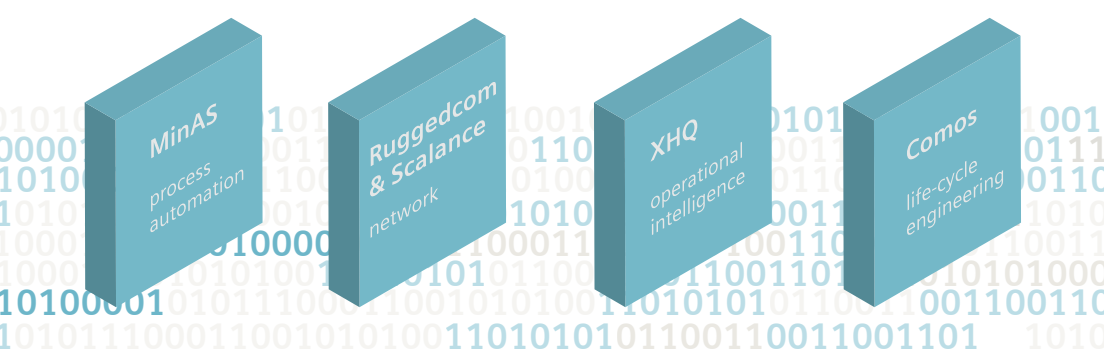


## Drive your Mining business with Siemens. Discover the potential of Digitalization.

Proven technologies help mining companies turn fully digital and gain a competitive edge.

Based on many decades of experience in the African mining sector, Siemens provides a wide range of solutions from a single source, for instance perfectly coordinated and integrated drive & control components or in-depth software engineering expertise. Siemens has been active in African mining since 1897, and today the industry depends on Siemens' innovative drive, automation and electrical technology for everything from extraction to transportation and beneficiation. As a leading force in Industrie 4.0 Siemens is able to combine traditional mining expertise with cutting edge digital technologies to deliver a true competitive edge.

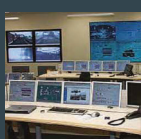
Siemens offers proven digitalization solutions: an industry-specific process control system for comprehensive automation (MinAS), an engineering tool for effective plant management (Comos), and a platform for aggregating, relating, and presenting operational and business data for the big picture (XHQ).



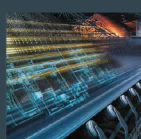
## Siemens Minerals Portfolio



**Electrification**  
HV/MV Switchgear,  
LV Switchgear/ MCC,  
E-Houses



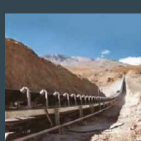
**Automation**  
CEMAT, MINAS,  
Process automation



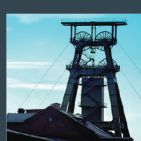
**Digitalization**  
COMOS, XHQ,  
Simulation &  
Modelling



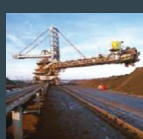
**Conventional Mill Drives**  
Vertical & horizontal Mills,  
HPGR Roller Presses



**Crushing & Conveying**  
Gearless & conventioanal  
Conveyors, Crushers



**Mine Hoists**  
Mine Winders



**Bulk material handling**  
Bucket Wheel/Chain  
Excavators, Ship loaders  
/ unloaders, Stacker/  
reclaimer



**Heavy Duty Rectifier**  
Electro Winning,  
Electrolytic Refining



**Gearless Mill Drives**  
Ring Motor  
Solutions



## Developing inclusive growth for mining industries.

Siemens will continue to deploy its innovative technologies to meet South Africa's greatest challenges, particularly in the fields of:



Power Generation  
& Management



Manufacturing  
Re-industrialization



Mobility Of  
People & Goods



Developing Growth  
& Inclusive Growth