

Curriculum Vitae

Clive Brown – Principal Mining Engineer



- Profession:** Principal Mining Engineer
- Education:**
- B.Sc Engineering (Mining), University, of the Witwatersrand.
- Registrations / Affiliations:**
- Registered as a Professional Engineer with ECSA.
 - Mine Mangers Certificate of Competency
 - Fellow of the South African Institute of Mining and Metallurgy.
 - Member of International Society of Explosives Engineers

Specialisation

Mining design for mechanised and conventional underground hard rock mines. Expert user of mining layout and scheduling software. Expert explosives engineer. Feasibility studies and due diligence.

Expertise

Clive has approximately 25 years’ experience in the mining industry. This experience includes production work in operational gold and coal mines, work as a blasting engineer, work as a consulting mining engineer undertaking feasibility studies and mine designs for a wide range of mines and a role as technical manager for a gold mine.

Employment History

2013 to Present	Principal Engineer	Bara Consulting (Pty) Ltd
2011 - 2013	Technical Services Manager	Vantage Goldfields Ltd.
2003 - 2011	Principal Engineer	Turgis Consulting (Pty) Ltd
1990 - 2003	Business Manager, East Africa	African Explosives Ltd.
1987 - 1990	Mining Engineer in Training	Goldfields of South Africa Ltd.

Selection of Project Experience

- Development of the blast audit programme which led to the successful “Value Added Blasting” concept used by African Explosives Limited on many narrow reef mining operations in South Africa; 1995.
- Start-up and management of African Explosives (Tanzania) Limited, AEL’s East African subsidiary; 1998.
- Bulyanhulu Gold Mine, Tanzania, 2000: Introduction of bulk explosives into shaft sinking operations.
- Modder East Gold Mine, Gold One, South Africa: Concept study, BFS, implementation mine planning and reserve statement, 2002 to 2010.
- Lily Gold Mine, Vantage Goldfields Limited, South Africa: BFS, implementation mine planning and reserves statement for successful transition between open pit and underground mining, 2008 to 2013.
- Olympic Dam Expansion Project, SRK, Australia: Mine design and layout for block cave option in pre-feasibility study, 2004.
- Grootboom Platinum Project, Boynton Investments, South Africa: Project manager for DFS for open pit and underground platinum mine, 2009.
- Dikulushi Copper Mine, Anvil Mining, DRC: Feasibility study and mine plan for transition from open pit to underground mining, 2007.
- Pakrut Gold Mine, Kryso Minerals, London: Concept study and PFS for underground and open pit gold mine in Tajikistan, 2009.
- Development Bank of Southern Africa, South Africa: Assessment of the mineral exploitation potential of the East African Central Development Corridor (Dar es Salaam to Eastern DRC, Rwanda and Burundi, 2009).
- AngoloPlatinum, South Africa: Strategy for maintenance of underground trackless mining equipment, 2010.