

STEVEN RUPPRECHT



PROFILE

EDUCATION & TRAINING

- **PhD Mechanical Engineering - University of Natal**
- **BSc Mining Engineering - University of Nevada Reno; Reno, Nevada, USA**

Professional Courses / Certificates

- **Metalliferous Mine Managers Certificate of Competency,**
- **Metalliferous Mine Overseers Certificate of Competency,**

PROFESSIONAL MEMBERSHIP / REGISTRATION / AFFILIATIONS

- SAIMM- Fellow and Member of Council
- Engineering Council of South Africa (Registered Professional Engineer)
- Associate Member of the Association of Mine Managers
- Vice Chairman of the SAMREC working group
- Member SAIMM Technical Programme Committee
- Advisor to the SAIMM Youth Council
- Reader for the JSE Readers Panel
- Engineering Council of SA Review Committee of PR.Eng. applications

BACKGROUND SUMMARY / PROFESSIONAL EXPERIENCE

Providing mining engineering services as an independent Consulting Mining Engineer. Work includes Safety Audits, Due Diligences, Completion Studies, Independent Technical Reviews, Competent Person Reports (CPR's), Feasibility and Scoping Studies. Project inputs include study manager, mine method selection, mine design and scheduling, equipment selection, U/G material handling, capital and operating cost estimation, mineral reserve estimation, financial modelling and mineral asset valuations.

Work includes a mixture of both surface and underground mining. Commodities include Gold, Copper, Cobalt, Chrome, PGMs, Iron Ore, Fluorspar, Lead, Zinc, Bauxite, Nickel, Tin, Tungsten, Coltans, Mineral Sands, Phosphate, Uranium, Diamonds and Coal. Areas of expertise include underground mine logistics, technical/economic reviews, safety audits, mineral reserve

estimations, mine design planning & scheduling, access development, evaluation of new technologies, and training.

Specialisation in Narrow vein <1.8m wide Gold and PGM deposits and narrow vein small scale mining as practiced in Southern and Central Africa (Tin, Tungsten and Coltans)

Recent work includes the design and excavation of the Kibaya pit (Cassiterite - Rwanda). Underground design and schedule of the Gahengeri mine (Cassiterite - Rwanda). BFS mine design and schedule of the Lucunga Phosphate Project. Mine design and schedule of open pit Rare Earth project (Burundi). Scoping Study of a Tanzania Gold Project, review of coal mining planned vs. actual; open pit copper Zambia, sign off DRD Gold Mineral Reserve, Access review of chrome project, Due diligence of a shear host gold deposits in South Africa. Technology Review and Best Practice for South African Gold and Platinum mines for Chamber of Mines.

MAJOR ACHIEVEMENTS / ACCOMPLISHMENTS

Author of over 60 technical papers in the area of mining engineering

RELATED EXPERIENCE

Providing mining engineering services as an independent Consulting Mining Engineer. Work includes:

- Shaft Sinking
- Shaft Equipping
- Safety Audits,
- Due Diligences,
- Completion Studies,
- Independent Technical Reviews,
- Competent Person Reports (CPR's),
- Feasibility and Scoping Studies.
- Project inputs include study manager,
- Mine method selection,
- Mine design and scheduling,
- Equipment selection,
- U/G material handling,
- Capital and operating cost estimation,
- Mineral reserve estimation,

- Financial modelling and mineral asset valuations.
- Planning and management of all exploration drilling
- Mining engineering;
 - Electronics and automation,
 - Hydraulic transportation/backfill disciplines of the Mining Systems

WORK HISTORY SUMMARY

COMPANY	POSITION HELD
Consulting Mining Engineer	Providing mining engineering services as an independent Consulting Mining Engineer
Keaton Energy	Technical Director
RSG Global/Coffey Mining	Principal Mining Engineer
CSIR – Miningtek	Research Area Manager
Gold Fields Coal	Senior Mining Engineer Coal
Gold Fields Mining and Development	Group Environmental Manager
East Driefontein Gold Mine (GFSA)	Underground Manager Production including shaft sinking
Leeudoorn Gold Mine (GFSA)	Mine Overseer and Underground Manager – Shafts, high-speed development and stoping
Venterspost Gold Mine (GFSA)	Shiftboss in charge of stoping and development sections