

Geology and resource estimation

You explore to create wealth. You need the most effective methods to find the best opportunities and make informed decisions. SRK offers extensive global experience and practical solutions in exploration, resource modelling and estimation, and independent project reviews.



Integrity of data

The basis for any geological and resource model is quality data.

SRK's geologists have enormous practical experience in data collection and data collation to ensure good quality data suitable for geological modelling and resource estimation

SRK offers support services during data collection stages of project with suitable sampling protocols, Quality Assurance and Quality Control measures in place.

Geological modelling

SRK's practical experience combined with software tools including Leapfrog and Datamine allows us to build realistic 3D models in regional areas with limited mapping or wide-spaced drilling.

This skill set can also be applied in advanced projects and mines where complex geology and structural features can be modelled in a relatively short time-frame.

Our comprehensive 3D modelling approach will evaluate datasets within a 3D environment to represent the true value of your project helping you to minimise your risks, cut your costs and reduce your time-frames.

Resource estimation

SRK understands that a reliable resource estimate depends on a robust 3D geological model. We combine our skillset in structural and geological interpretation to construct a model of your deposit.

Our commodity experience includes gold, copper, lead, zinc, silver, nickel, iron ore, platinum group metals, chrome, manganese, uranium and mineral sands.

Our 3D models will improve your interpretation of deposits by defining appropriate geological domains and allowing constrained resource estimations to be carried out. They also offer the potential to generate new drill targets.

Non-linear Geostatistics

SRK's team have practical experience in non-linear geostatistical techniques, including operating mines where the feasibility stage recoverable resource estimates have been tested against actual production results, with excellent correlations.

Recoverable resource estimates allow for the advanced modelling of the potential selective mining during the production stage from widely spaced exploration data. SRK's experience includes the localization of the recoverable resources, which allows mining engineers to more effectively plan the selective extraction of an orebody.

SRK's geology and resource estimation experts (South Africa)

Ivan Doku

Country Manager (Ghana)
Principal Resource Geologist/Partner

- Due diligence audits
- 3D Geological modelling
- Mineral resource estimation
- QAQC management
- Statistical and geostatistical analyses
- Mine geology studies

Peter Le Roux

Principal Geologist

- Due diligence reviews
- Ore-body modelling
- Resource process automation
- Mineral resource estimation
- Statistical and geostatistical analyses
- Mine geology studies

Victor Simposya

Corporate Consultant (Geologist)

- Due diligence reviews
- Geological and ore-body computer modelling
- Mineral resource estimation
- Geostatistical modelling and analyses
- Computerised open cast mine planning

Our clients



SRK has worked for a range of mining companies recently including Kumba, ArcelorMittal, Pan African Resources, Endeavour Mining Corporation, Harmony, Impala Platinum, NICICO, Sibanye Gold, Gold One International, Lonmin, Jinchuan, Vedanta, Kamoto Copper Company and Management Group.

For more information or to request a no-obligation meeting with us please contact:

Peter Le Roux z +27 11 441 1127 z pleroux@srk.co.za

Ivan Doki z +27 11 441 1189 z idoki@srk.co.za

Victor Simposya z +27 11 441 6193 z vsimposya@srk.co.za



SRK Consulting (SA) is part of the SRK Group, an independent, international organization of professional engineers and scientists providing a comprehensive range of technical consulting services to natural resource industries, financial institutes and government. With over 1700+ staff members in 45 offices on 6 continents we bring a truly global perspective to your unique requirements. For further information please visit our website www.srk.com or contact us on info@srk.co.za

SRK Cape Town
The Administrative Building
Albion Spring, 183 Main
Road 7700 Rondebosch
PostNet Suite #206
Private Bag X18
7701 Rondebosch
Tel: +27 21 659 3060
Email: capetown@srk.co.za
Web: <https://www.srk.com>

SRK Kloof
The House
Bellevue Campus
5 Bellevue Road
3610 Kloof
Tel: +27 31 279 1200
Email: kloof@srk.co.za
Web: <https://www.srk.com>

SRK Johannesburg
SRK House
265 Oxford Road
2196 Illovo
P O Box 55291
2116 Northlands
Tel: +27 11 441 1111
Email: johannesburg@srk.co.za
Web: <https://www.srk.com>

SRK Gqeberha
254 Walmer Boulevard
South End
6000 Gqeberha
P O Box 21842
6000 Gqeberha
Tel: +27 41 509 4800
Email: gqeberha@srk.co.za
Web: <https://www.srk.com>

SRK Pretoria
Block A, Menlyn Wood Office
Park 291 Sprite Avenue
Faerie Glen
0081, Pretoria
P O Box 35290
0102 Menlo Park
Tel: +27 12 361 9821
Email: pretoria@srk.co.za
Web: <https://www.srk.com>