



**Resume**  
**Christopher Ainsworth**  
**Geoscience Director**

Chris is an economic resource geologist with 30+ years' experience, with an extensive background in mining, exploration and consulting with particular emphasis on Francophone Africa. His skill set ranges from exploration project management, economic resources, coaching local workforces, whilst encouraging a strong bond with clients' interests and objectives. His extensive commodity experience ranges from the large-scale industrial (bauxite, rutile) to base (copper/zinc) and precious metals (gold, PGM's). He is equally at home between the Boardroom, the Ministry, the Mine and the bush and revels in the in the technical detail that each project requires to competently assess its merits.

**Summary of Experience**

- **2014 – 2018, Chief Operating Officer, Enrox Energy and Mining, West Africa**
  - Responsible for all exploration and mining operations in West Africa (Mali, Burkina Faso and Guinea) as well as exploration operations and activities in Ethiopia.
- **2014 - Chris Ainsworth Independent Consulting, South Africa**
  - Technical due diligence on base-metal concessions in Katanga Province in DRC.
  - Evaluation of limestone deposits in Zambia.
  - Technical assessment of fracking-sand in Karoo sedimentary formations in South Africa.
- **2003-2014 - Senior Geologist, Mineral Corporation, South Africa**
  - Various roles in a wide range of commodities and jurisdictions including;
    - Technical advisor roles for Abosso Goldfields in Ghana, Rhino Platinum in South Africa, high wealth individual in Mali, MRI Trading AG in DRC, Katanga Exploration projects for Australiana and European listed companies, several South African platinum projects (western & eastern limbs of Bushveld Complex), Konkola Copper Mine in Zambia, various projects for bauxite, rutile and iron ore in Cameroon.
    - Technical geology and economic assessment for limestone and manganese deposits in Mali, manganese deposits in Burkina Faso, coal and iron ore deposits in South Africa.
    - CP and technical advisor for platinum projects in South Africa for Northam Platinum Ltd and Anglo Platinum Ltd and Wesizwe Platinum Ltd (including listing on JSE);
    - Feasibility study management of Tjate Project for Jubilee Platinum in South Africa, rehabilitation of Kipushi Mine in DRC with Xstrata Zinc Inc as well as management and technical advice for same project to United Resources AG and due diligence for AMARI Services.
    - Geological training for Kalana Gold Project in Mali for Avnel Gold Mining Company Ltd as well as educational engagements with Ministry of Petroleum and Mines in Madagascar.
    - Private investor advice for tin, uranium, precious and base metals in DRC, scoping study management Mukondo Hill Copper-Cobalt mine in DRC including purchase and sale transaction of asset.



- Prepared applications and lodgements for prospecting and or mining authorisations in South Africa for Wesizwe Platinum, Glencore International, Lonmin, Holcim, South Deep JV, Royal Bafokeng Holdings, LanXESS, African Rainbow Minerals, Mokgatle Trust, NUCO Chrome, Southern Prospecting Ltd (UK), EnviroServe Waste Management, Atomeier Resources Ltd (SA), Burk Mining, St Fort, Abante Virtus, Exxaro Resources Ltd and private holders of mineral rights.
- Various exploration management programs including Wesizwe Platinum Ltd in South Africa, kimberlite project for Lesotho Diamond Corporation Ltd, exploration potential study for Ivanhoe Nickel and Platinum for DRC and Zambia.
- **2001-2003 - Chris Ainsworth Independent Consulting, South Africa**
  - 2002 Ruashi-Etoile Stockpile-tailings dam quantification project in DRC. 3 month drilling program with evaluation of results.
  - Grass Valley Project in South Africa, evaluation of Platreef with drilling program and evaluation of results.
  - Blue Ridge Prospect, Eastern Bushveld, South Africa. Field mapping, core logging and sampling.
  - Various project evaluations and due diligence studies including Buhemba and Tuluwaka Project evaluations in Tanzania, Bafokeng-Rasimone due diligence of Styldrift property and Lebowa Platinum mine grade control audit in South Africa, Essekan Project Evaluation in Burkina Faso.
- **1998-2001 - Chief Geologist & Mineral Resources Manager, Randgold Resources Syama Gold Mine, Mali.**
  - Management of grade control, short and long-term planning, exploration activities, hydrology, geotechnics, environmental, laboratory control and resource evaluation.
  - Management of open pit grade control, rock engineering slope design, long and short term planning, Mineral Resource and Ore Reserve estimations (MEDS™), exploration drilling, QAQC and environmental-rehabilitation management.
- **1992-1998 - Assistance Chief Geologist, JCI Potgietersrust Platinum Limited, South Africa.**
  - Management of grade control, short-term planning, exploration drilling, hydrology, geotechnics, modelling, metallurgical project work.
  - All components of open in pit sampling through to ore mark-up, all geological duties using AutoCad™ software, diamond drill near-pit exploration, liaising with mine engineers regarding the short and long term mine plan using Datamine™ software.
- **1989-1992 - Senior Mine Geologist, JCI Consolidated Murchison, Gravelote, South Africa.** Management of mining, grade control, drilling and exploration and geological mapping activities at Monarch Shaft as well as Mineral Resource and Ore Reserve estimations.

## Qualifications

- 1987-1988 Masters of Science in Mineral Exploration, Royal School of Mines, United Kingdom
- 1983-1987 Bachelor of Science (Honours) Geology and Geography, Polytechnic of North London, United Kingdom



## Languages

- English (written and spoken)
- French (written and spoken)

## Professional Affiliations

- South African Institute of Mining and Metallurgy (SAIMM)
- Geological Society of South Africa – Fellow (GSSA)
- South African Council for Natural Scientific Professions (SACNASP)