



**Capability & Experience**  
*In Mining and Mineral Processing*

## OVERVIEW

ABS Africa has over 40 years collective experience in providing sustainability services to the mining sector.

We believe that with the correct blend of professional expertise, planning, innovation, and technology, mineral resources can be extracted and processed in a sustainable manner.

From complex Environmental and Social Impact Assessments (ESIAs) to NI 43-101 feasibility studies, due diligence and audit, compliance monitoring and mine closure rehabilitation and closure planning, our team of professionals have completed sustainability studies for a range of commodities including gold, copper, zinc, manganese, coal, uranium, minerals sands, and platinum group metals.

Our experience includes the application and alignment of studies with the requirements of internal company standards, in-country legislation and international standards like the IFC Performance Standards, Equator Principles, UN Global Compact, and those published by the ICMM and EITI.

Our project experience spans the African continent, and includes Mali, Guinea, Côte d'Ivoire, DRC, South Africa, Tanzania, Ghana, Sudan, Burkina Faso, Mozambique, and Zambia.



## SERVICES

We offer the following services to the mining sector:

-  Environmental assessment and planning as part of concept and prefeasibility studies
-  Environmental and Social Impact Assessments (ESIAs) as part of regulatory requirements and/or feasibility studies
-  Development of project legal registers and environmental permit strategies aligned to the project schedule
-  Due diligence review of project documentation against international governance standards applicable to the mining sector
-  Project environmental permitting including water use licenses, waste management licenses, and mining permits
-  Lender's technical advisor and transaction advisory services on environmental and social governance aspects
-  Amendment of Environmental Management Programmes
-  Independent environmental compliance audits
-  Mine rehabilitation and closure planning
-  Hydrology, water supply and water balance assessments



## ABS AFRICA MINING PROJECT EXPERIENCE

### ► KALANA GOLD PROJECT – YANFOLILA REGION, MALI

#### AVNEL GOLD – ENVIRONMENTAL FEASIBILITY STUDY



- 🕒 ESIA project lead for a NI-43-101 compliant feasibility study completed to the requirements of the in-country legislation, Equator Principles and associated IFC Sustainability Framework.
- 🕒 Preparation of the environmental site-wide water balance.
- 🕒 A resettlement framework and Resettlement Action Plan for the partial resettlement of the Kalana Village was developed. Due to close proximity of the operations to the village, mitigation measures for noise, vibration and air quality were a particular focus of the service provided.

### ► FEKOLA GOLD PROJECT - KAYES REGION, MALI

#### PAPILLON RESOURCES LIMITED – ENVIRONMENTAL FEASIBILITY STUDY



- 🕒 Project lead for the social and environmental component of the feasibility study.
- 🕒 Completed an ESIA and Resettlement Action Plan for the proposed opencast gold mine as part of a Prefeasibility Study.
- 🕒 ESIA completed to the requirements of the Equator Principles and

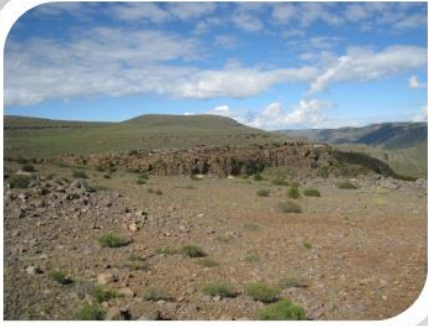
### ► HASSAÏ VMS PROJECT - RED SEA STATE, SUDAN



#### SENET / LA MANCHA / ARIAB MINING COMPANY – ENVIRONMENTAL PREFEASIBILITY STUDY

- 🕒 Project lead for the social and environmental component of the prefeasibility study.
- 🕒 Developed a Terms of Reference for the ESIA.
- 🕒 Completed the social and environmental chapter of the NI-43-101 Standard Prefeasibility Study Report.

## ▶ ESTIMA COAL PROJECT – TETE REGION, MOZAMBIQUE



### ENRC SOUTHERN AFRICA - ENVIRONMENTAL FEASIBILITY STUDY

- 🕒 Completed an ESIA for the proposed opencast coal mine as part of a Bankable Feasibility Study, including various specialist studies.
- 🕒 Development of a Resettlement Action Plan for approximately 500 affected households.
- 🕒 Studies done in compliance with the Equator Principles and associated IFC Sustainability Framework.

## ▶ MEDUPI COAL MINE EXPANSION PROJECT- LIMPOPO PROVINCE, SOUTH AFRICA



### SNOWDEN – DUE DILIGENCE AND CLOSURE REVIEW

- 🕒 Environmental and social due diligence and associated liability and closure review of the Medupi Coal Mine Expansion Project for the EPFI as part of the ZAR 4,5 billion funding of the Project.

## ▶ PUMPI COPPER AND COBALT PROJECT -KOLWEZI, DEMOCRATIC REPUBLIC OF CONGO



### REMINEX ENGINEERING / MANAGEM GROUP – ENVIRONMENTAL FEASIBILITY STUDY

- 🕒 Completed an ESIA in accordance with the DRC Mining Regulations, Equator Principles and associated IFC Sustainability Framework.
- 🕒 Preparation of the environmental site-wide water balance.
- 🕒 Specialist studies in noise, air quality, terrestrial and aquatic ecology, geochemistry, blasting, soils, social impact, groundwater and surface water.

## ► MULIASHI COPPER AND COBALT PROJECT - ZAMBIA



### BSG RESOURCES – ENVIRONMENTAL AUDIT AND ESIA

- 🌱 Project lead for an environmental audit of the Luansha Copper Mines to assess its compliance with the IFC Performance Standards and Associated EHS guidelines.
- 🌱 Completion of an environmental Feasibility Study to World Bank standard, including an ESIA and associated specialist studies.

## ► MKUJU RIVER PROJECT - TANZANIA



### MANTRA TANZANIA LIMITED – ENVIRONMENTAL FEASIBILITY STUDY

- 🌱 Review and gap analysis of the ESIA for the initial Mkuju River Project.
- 🌱 Updating of the ESIA and associated Environmental Management Programme for the ESIA, based on international best practice guidelines.
- 🌱 Compilation of a submission to the UNESCO World Heritage Committee for an adjustment to the boundary of the Selous Game Reserve ensuring that the license area is outside the Selous Game Reserve, a World Heritage Site.
- 🌱 Undertaking a cost-benefit analysis and eco-system services assessment for the Selous Game Reserve and the possible impact the proposed development would have on the Outstanding Universal Value of the SGR.

## ► PERKOA ZINC PROJECT - SANGUIE, BURKINA FASO



### BLACKTHORN RESOURCES – ENVIRONMENTAL IMPACT ASSESSMENT

- 🌱 Project lead for an ESIA Addendum for the proposed expansion development associated with the mining development.

## ▶ TWO RIVERS PLATINUM PROJECT – MPUMALANGA PROVINCE, SOUTH AFRICA



### TWO RIVERS PLATINUM MINE – ENVIRONMENTAL FEASIBILITY STUDY

- 🔄 Project lead for an ESIA and Mining Right Application.
- 🔄 Compilation and submission of a Water Use License Application.
- 🔄 Development of a Resettlement Framework for the affected community.

## ▶ BEL AIR PROJECT - GUINEA



### ALUFER MINING – ENVIRONMENTAL IMPACT REVIEW

- 🔄 Independent competent person review of the ESIA and RAP to ensure compliance with in-country legislation as well as the Equator Principles and associated IFC Sustainability Framework.



## CONTACT US



[info@abs-africa.com](mailto:info@abs-africa.com)



Johannesburg: +27 (0) 11 805 0061  
Cape Town: +27 (0) 21 403 6570



PO Box 14003, Vorna Valley, 1686, South Africa



Johannesburg: Building 2, Country Club Estate, Woodlands Drive, Woodmead, 2052  
Cape Town: Convention Towers, 1st Floor, Cnr. Heerengracht & Walter Sisulu Street



[www.abs-africa.com](http://www.abs-africa.com)