



Specialist Consultants
to the Mining Industry

CAPABILITY STATEMENT: DIAMONDS

INTRODUCTION

The MSA Group, the foremost black-owned consultancy in Africa, has entrenched itself as a trusted and holistic service provider and contractor over the past 3 decades. The MSA Group's track record is synonymous with quality, technical integrity and safety compliance.

The MSA Group provides specialist technical services on numerous international and national projects and has worked on five continents and in over 30 countries. The MSA Group's client base includes the largest multi-national mining companies and juniors listed throughout the world.

The MSA Group has the skills, experience and infrastructure to undertake complete diamond exploration programmes from the identification or assessment of potential target areas to the delivery of a compliant mineral resource signed off by a qualified/competent person. As the discovery of new kimberlite mines becomes more and more difficult, the services offered by the MSA Group provide a strategic advantage to any explorer, as we are prepared to meet the new exploration challenges in Africa, North America, and elsewhere.

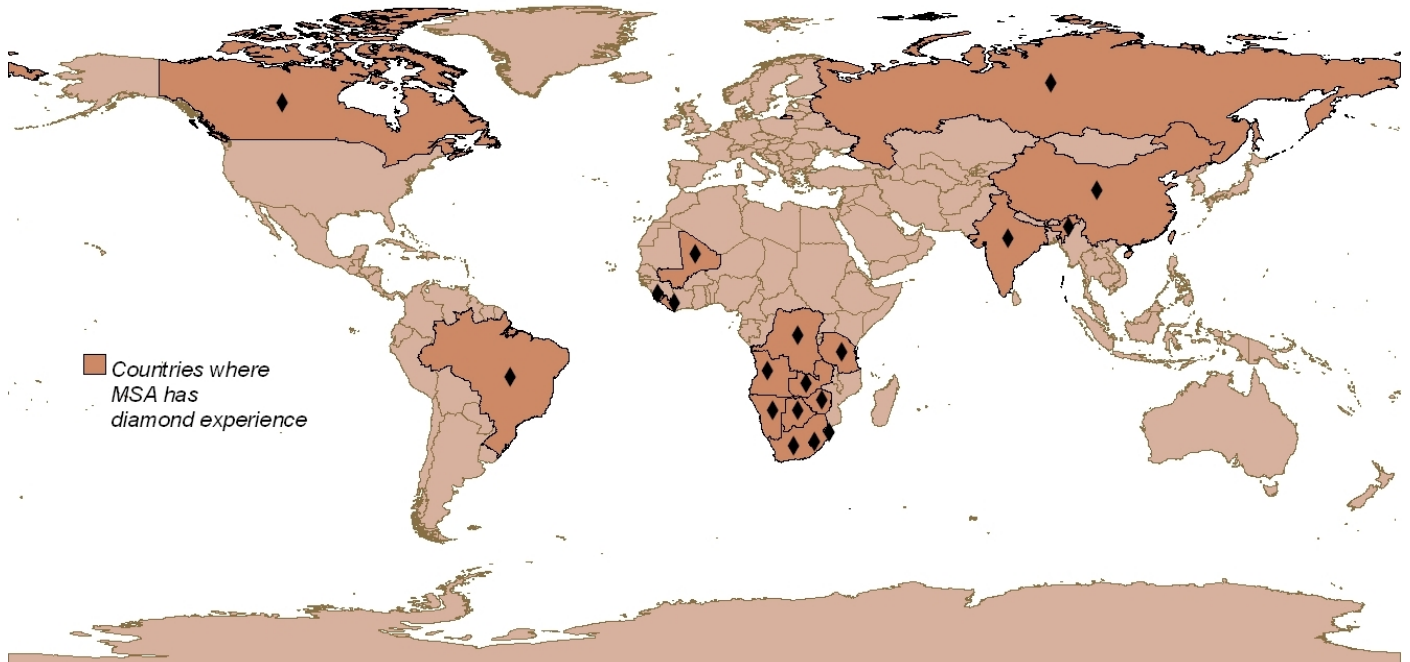
THE MSA GROUP'S DIAMOND EXPERIENCE

The MSA Group has undertaken multiple diamond exploration and evaluation programmes, from the targeting and initial assessment to the execution and project management of multi-disciplinary programmes.

The MSA Group routinely executes internationally compliant resource and reserve estimate statements and has undertaken Competent/Qualified Persons Reports for the purposes of listing on all major mining exchanges.

The MSA Group offers a world class comprehensive analytical service to diamond exploration and evaluation programmes. Our facilities include a heavy mineral analysis laboratory situated in Kimberley for processing and sorting of diamond indicator minerals from both exploration and kimberlite samples and a microdiamond laboratory located in Johannesburg (joint venture with SGS South Africa) for processing and recovering diamonds from kimberlite samples using caustic fusion.

A SELECTION OF THE MSA GROUP'S RECENT DIAMOND PROJECTS



Country	Year	Project Details
Angola	2008 to 2010	Heavy mineral and mineral chemistry analysis (kimberlite and exploration samples), microdiamond analysis.
Angola	2008 to 2009	Technical report on the Catoca Mine for Sociedade Mineira de Catoca.
Angola	2004 to 2008	CPR, various technical reports, and analytical laboratory services for Sociedade de Desenvolvimento Mineiro de Angola.
Botswana	2007 to 2010	Heavy mineral analysis, mineral chemistry and petrographic analysis of kimberlite samples.
Botswana	2006 to 2009	Supervision of drilling programme and analytical laboratory services including tailings' audit.
Botswana	2008 to 2010	Microdiamond analysis on various prospective kimberlites and major producers, including Orapa and Jwaneng Mines.
Botswana	2004 to 2008	CPR on the Martins Drift kimberlites and analytical laboratory services.
Canada	2006 to 2008	Supervision and management of a sampling programme and analytical laboratory services.
China, Brazil, Tanzania	2007	NI 43-101 report and analytical laboratory services for Redox Diamonds.

Country	Year	Project Details
Democratic Republic of Congo	2005 to 2009	Supervision and management of sampling and drilling programmes with heavy mineral analysis and on-site sorting.
Lesotho	2008 to 2009	On-site independent diamond sorting (bulk and LDD sampling programmes).
Lesotho	2008	NI 43-101 report for Motapa Diamonds.
Lesotho, Liberia, Mali, Finland	2006 to 2008	Heavy mineral analysis of exploration samples and technical reviews on various kimberlites.
Sierra Leone	2008	Bulk sample supervision, management and audit on kimberlite dykes.
Sierra Leone	2007	Microdiamond analysis of kimberlite samples.
South Africa	2006 to 2010	Supervision of various drilling programmes and analytical laboratory services.
South Africa	2008	CPR on the Leicester kimberlite.
South Africa	2004 to 2010	Supervision of drilling programme, bulk sample auditing and analytical laboratory services on kimberlite dykes.
South Africa	2008 to 2009	Stream sediment sampling programme and analytical laboratory services.
South Africa	2008	Microdiamond analysis and bulk sample processing on several prospective kimberlite pipes and major mines.
Zimbabwe	2009	Geological mapping of alluvial deposits.
Zimbabwe	2008	Microdiamond analysis of kimberlite samples.

Clients for these projects include African Consolidated Resources plc, African Queen Mines Ltd., Angola Technical Services Ltd, BRC Diamondcore Ltd, Cape Diamonds plc, Community Investment Holdings (pty) Ltd, The De Beers Group, Debswana Diamond Company (Pty) Ltd, Diamondcorp plc, Diamonex Ltd, Firestone Diamonds plc, Gem Diamonds Ltd, Gravity Diamonds Ltd, Great Northern Mining and Exploration, Koidu Holdings SA, Lihobong Mining Development Company, Mantle Diamonds Ltd, Mwana Africa plc, Mvelaphanda Resources Ltd, Petra Diamonds Ltd, Stellar Diamonds Ltd, The Trans Hex Group and Virginia Diamond Field (Pty) Ltd.

SUMMARY OF RELEVANT EXPERTISE

Dr Frieder Reichhardt - BSc, MSc, PhD, Pr.Sci.Nat, MGSSA and MGSG.

Frieder has over twenty years of experience as an exploration and evaluation specialist with extensive experience in southern and western Africa. His vast hands-on experience includes all aspects relating to successful mineral exploration from target selection, project planning, management and evaluation. Frieder has worked on a wide range of commodities including precious metals, diamonds, vanadium and uranium. He was the Rio Tinto exploration manager that led the team which discovered the Murowa diamond mine in Zimbabwe in 1997.

Dr Erika Barton – BSc, MSc, PhD, Pr.Sci.Nat, FGSSA

Erika has over thirty years experience in the analysis and interpretation of radiogenic isotope and trace element data. Her expertise is in statistical analysis of data, analytical chemistry, instrumental analysis and heavy mineral processing. This experience has been applied to diamond exploration, kimberlite geochronology, the understanding of mantle geodynamic processes and the optimisation of the chemical process for the liberation of micro-diamonds. At MSA Erika has been involved in the setting up, commissioning and operation of a caustic fusion and micro-diamond recovery laboratory, a joint venture with SGS South Africa in Johannesburg, as well as management of the diamond exploration analytical facilities of MSA.

Stuart Hill – BSc(hons), MSc, Pr.Sci.Nat, GSSA

Stuart has 20 years experience in diamond exploration and is a highly experienced project manager who has managed sampling, geophysical and drilling programmes on kimberlites and other types of deposits in various countries. He has mining and evaluation experience of kimberlite dykes in the Free State Province and has recently completed the supervision of kimberlite bulk sampling programmes in both Sierra Leone and South Africa. Stuart has also managed alluvial exploration programmes, including characterisation of the diamondiferous alluvials of the North West Province, as well as in-depth studies of diamonds and kimberlite indicator minerals recovered.

Mike Lynn – BSc(hons), MSc, MGSSA, MSEG

Mike has 25 years experience in diamond exploration in various parts of Africa and India. He has broad experience of the diamond exploration project development process from grass roots prospecting to resource assessment, and has established new diamond exploration infrastructures for De Beers in Guinea and India. At MSA, Mike is involved in Project Management of exploration projects in various commodities and at various stages of development, and has coordinated competent persons reporting on diamond projects. Mike is awaiting his appointment as a Professional Natural Scientist (SACNASP).

Dr Matthew Field – BSc (hons), MSc, PhD, Pr.Sci.Nat, FGSL

Matthew is a resource geologist with over 21 years of wide-ranging experience in the mining and exploration industry. During this time he has experienced many facets of the industry from target selection to exploration to production monitoring and reconciliation, project development and research. He has managed ore-body delineation and sampling programmes and has provided geological and mineral resource inputs into large capital projects. He has also established and managed geological teams, and most recently, as a recognised expert in kimberlite geology, he has led a research initiative to improve the understanding of kimberlite geology with the purpose of speeding up resource evaluation programmes and assessing geological risk. He has also conducted several due diligence studies for De Beers as an independent consultant.

Owen Garvie – BSc(hons), MSc, Pr.Sci.Nat, MMSSA, MGSSA

Owen has extensive experience in the mineralogical analysis of kimberlitic indicator minerals and micro-diamonds. At De Beers, he managed the exploration division's indicator mineral recovery and sorting facilities and the micro-diamond recovery laboratory. He has developed the surface texture analytical techniques that are widely incorporated within mineralogical laboratories around the world. These techniques are used to examine indicator mineral populations to assess distance from the primary source, an invaluable tool in targeting. At MSA, Owen's mineralogical expertise is routinely used in exploration projects, and his management experience has been applied to develop MSA's ISO/QC systems within the analytical section.

Ian McGeorge – B.Sc(hons), MSc, CGeol FGS, MGSSA

Ian has over 25 years experience in the project management of mineral exploration programmes for various commodities such as diamonds, gold, base metals, platinum and ground water. His experience covers mineral exploration strategies and targeting, best practices, project appraisals, geological mapping, historical research and report writing. He has completed a number of technical reports under Australasian JORC and Canadian NI 43-101 codes. He has an appreciation of environmental and social issues in exploration and mining.

Dr Paddy Lawless – BSc(hons), MSc, PhD, Pr.Sci.Nat

Paddy has 30 years experience in diamond research, value management and mining. He has worked as a resident mine geologist on diamond mines in South Africa, and amongst his many achievements, he has developed a technique to measure diamond breakage caused during drilling, blasting and recovery processes. At MSA, Paddy has used this methodology to analyse diamond breakage during mineral resource development projects, to assist in the revenue modelling process.

Johan Ferreira – DEA Geostatistics, Pr.Sci.Nat, MSASA, MCIM

A highly competent geostatistician with 33 years of experience in mineral resource evaluation, Johan has extensive experience of the entire grade, revenue and density modelling value chain, gained with De Beers, and more recently as a private consultant. He has developed techniques to combine micro- and macrodiamond data to improve confidence in grade and revenue modelling on diamond deposits.