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CURRICULUM VITAE

GERT JACOBUS VAN JAARVELD

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PERSONAL DETAILS

Surname	van Jaarsveld
First Names	Gert Jacobus
Identity Number	760911 5074 08 1
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Nationality	South African
Driver's License	Code 08 (EB)
Professional Registration	Pr.Sci.Nat (SACNASP) 400185/06
Affiliations	SAIEG – Member South African Institute of Engineering Geologists ISEEG – Member International Society of Explosives Engineers

EDUCATION

Qualifications

1999	BSc (Geology) University of Pretoria
2001	BSc Hons (Engineering Geology) University of Pretoria

CAREER SUMMARY

February 2007 – Current	Rockland Geoscience (Pty) Ltd, Pretoria <i>Principal Engineering Geologist, Managing Director</i>
November 2006 – February 2007	Lefatshe Solutions cc, Johannesburg <i>Member, Engineering Geologist</i>
November 2003 – November 2006	SRK Consulting (Pty) Ltd, Johannesburg <i>Environmental and Geotechnical Department, Engineering Geologist</i>
February 2001 – November 2003	VSA Geoconsultants Group (Pty) Ltd, Pretoria <i>Exploration, hydrological and mine geologist</i>

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SELECTED EXPERIENCE

Project Name	Dorstfontein Coal Mine East Pit 2 Highwall
Duration	November 2019 - ongoing
Client	Eire Contractors (through Exxaro Resources)
Location	Kriel, Mpumalanga Province, South Africa
Project Value	ZAR 22m
Description	Geotechnical investigations for new 45 – 65m high, 800m long, highwall and monitoring of drilling and blasting works thereof.
Role	Principal engineering geologist responsible for client liaison, fieldwork, analyses and joint reporting.
Project Name	Karino N4 Interchange Link Road West,
Duration	March 2020 - ongoing
Client	Raubex (through ARQ Geotech)
Location	Mbombela, Mpumalanga Province, South Africa
Project Value	ZAR 200m
Description	Geotechnical and rockfall hazard investigations for a 100m long road cutting and 400m long mechanically stabilised earth wall adjacent to the new Link Road West of the new Karino N4 Interchange
Role	Principal engineering geologist responsible for: client liaison, joint fieldwork, analyses and reporting.
Project Name	DSV Park
Duration	September 2019 - ongoing
Client	DSV
Location	Witfontein, Ekurhuleni, Gauteng Province, South Africa
Project Value	ZAR 1bn
Description	Construction material evaluations
Role	Principal engineering geologist responsible for client liaison and joint analyses and reporting
Project Name	Khoemacau Copper Mine
Duration	September – October 2019
Client	Eire Contractors
Location	Toteng, Botswana
Project Value	USD 650m
Description	Drilling and blasting review of box cuts.
Role	Principal engineering geologist responsible for client liaison, fieldwork, analyses and reporting.
Project Name	Xuka River Replacement Bridge
Duration	August – October 2019
Client	WSP Group Africa
Location	Engcobo, Eastern Cape Province, South Africa
Project Value	ZAR 50m
Description	Phase 1 geotechnical investigation for replacement bridge over the Xuka River
Role	Principal engineering geologist responsible for: client liaison, analyses and joint reporting.
Project Name	Mokopane Booster Pump Station
Duration	August 2019 - ongoing
Client	Curo Pumps
Location	Mokopane, Limpopo Province, South Africa
Project Value	ZAR 5m
Description	Phase 1 geotechnical investigation for new booster pump station at site 11 km north of Mokopane
Role	Principal engineering geologist responsible for client liaison, analyses and joint reporting.
Project Name	Venetia Mine Sewage Treatment Works
Duration	July – August 2019
Client	WSP Group Africa
Location	Venetia Diamond Mine, Alldays, Limpopo Province, South Africa
Project Value	Est. ZAR 20m
Description	Geotechnical investigation for new sewage treatment plant.
Role	Principal engineering geologist responsible for client liaison, analyses and reporting.
Project Name	Wispeco Casting Pit
Duration	January – July 2019
Client	Wispeco Aluminium
Location	Alrode, Alberton, Gauteng Province
Project Value	ZAR 50m
Description	Drilling and blasting consulting services for excavation of 12m deep by 4m diameter shaft adjacent to existing Wispeco Alrode works.
Role	Principal engineering geologist responsible for client liaison, preparation of drilling and blasting specification and technical adjudication of tenders

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Project Name	Ghana IWAD Weirs
Duration	February 2019 - ongoing
Client	Agricane
Location	Yagaba, Republic of Ghana
Project Value	ZAR 100 000 fee
Description	Preliminary site investigation for new irrigation scheme at confluence of White Volta and Kulpawn Rivers
Role	Principal engineering geologist responsible for client liaison, analyses and reporting.
Project Name	JRA House
Duration	February to March 2019
Client	WSP Group Africa
Location	Florida Hills, Roodepoort, Gauteng Province, South Africa
Project Value	ZAR 30 000 fee
Description	Phase 1 geotechnical investigation to determine cause of cracks in residential property.
Role	Principal engineering geologist responsible for client liaison, analyses and reporting.
Project Name	Medupi Power Station Project (Formerly Project Alpha)
Duration	2007 - 2019
Client	Eskom Enterprises
Location	Lephalale, Limpopo Province, South Africa
Project Value	ZAR 120bn
Description	Geotechnical site supervision and design verification of earthworks, major foundations and drilling and blasting works for new 4 800MW dry cooled coal fired power station and ancillary works.
Role	Principal engineering geologist responsible for supervising drill and blast works for foundation excavations, quality control of engineered fills, rock mass classification of foundation footings to verify foundation design, ad hoc geotechnical investigations of various structures.
Project Name	Kibali Gold Mine, Azambi Hydro Electric Project
Duration	October 2017 – December 2018
Client	Barrick Gold (formerly Randgold Resources)
Location	Kibali, Democratic Republic of the Congo
Project Value	USD 50m
Description	Drilling and blasting consulting services for weir, headrace canal, power house and tail race to new hydro-electric project on the Kibali River near Kibali Gold Mine.
Role	Principal engineering geologist responsible for coordination and client liaison.
Project Name	Rustenburg Platinum Mines, Precious Metals Refinery, Ladies Change House
Duration	January – February 2018
Client	Anglo Platinum (through LMJ Consulting)
Location	Rustenburg, North-West Province, South Africa
Project Value	ZAR 30 000 fee
Description	Phase 1 geotechnical investigation for new single storey ladies change house
Role	Principal engineering geologist responsible for client liaison and joint analyses and reporting.
Project Name	Tzaneen Dam Demolitions
Duration	May – December 2017
Client	Blackhead Consulting
Location	Tzaneen, Limpopo Province, South Africa
Project Value	ZAR 50m
Description	Monitoring of drilling and blasting works as part of demolition works at Tzaneen Dam carried out in preparation of raising of dam wall.
Role	Principal engineering geologist responsible for client liaison and joint reporting.
Project Name	Khumani Iron Ore Mine, Dirty Water Tank Foundation
Duration	September 2017 - ongoing
Client	Assmang Limited
Location	Kathu, Northern Cape Province, South Africa
Project Value	ZAR 50 000 fee
Description	Geotechnical investigation of cracks in shotcrete lining surrounding tank foundation including test pits, DCPs and GSW tests.
Role	Principal engineering geologist responsible for client liaison and joint analyses and reporting.
Project Name	Lakeside Towers, new head office for Exxaro Resources
Duration	April – July 2017
Client	Growthpoint Properties (through AECOM)
Location	2 West Rd (across from Gautrain Station), Centurion, Gauteng Province. South Africa
Project Value	ZAR 468m
Description	Monitoring of drilling and blasting works for new 10 storey building on dolomite.
Role	Principal engineering geologist responsible for client liaison, joint analyses and reporting.
Project Name	Foskor Phosphate Mine, Selati Tailings Disposal Facility, Decant Pipeline Cutting

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Duration	February 2017
Client	Stefanutti Stocks
Location	Phalaborwa, Limpopo Province
Project Value	ZAR 50m
Description	Slope stability evaluation of 740m long 26m deep excavation.
Role	Principal engineering geologist responsible for project management, field mapping, analyses and reporting.
Project Name	Sunti Sugar Project
Duration	2016
Client	Agricane
Location	Nigeria
Project Value	USD 50m
Description	Geotechnical investigation of bulk water supply works for new 4,700ha sugar development on Niger River including 10km canals and four pump stations.
Role	Principal engineering geologist responsible for client liaison, analyses and reporting.
Project Name	Kibali Gold Mine, Ambarau Dam
Duration	2016
Client	Barrick Gold (Formerly Randgold Resources)
Location	Kibali, Democratic Republic of the Congo
Project Value	USD 57m
Description	Drilling, blasting and geotechnical mapping consulting services for new 20m high hard fill gravity dam constructed as part of hydro-electric power project on the Kibali River near Kibali Gold Mine.
Role	Principal engineering geologist responsible for client liaison, analyses and reporting.
Project Name	Linksfield Netcare Hospital Upgrades
Duration	July – September 2015
Client	Netcare (through Greene Consulting)
Location	Linksfield, Edenvale, Gauteng Province, South Africa
Project Value	ZAR 50m
Description	Geotechnical investigations for upgrades to existing hospital.
Role	Principal engineering geologist responsible for client liaison, analyses and reporting.
Project Name	Medupi Power Station, FGD Rail Siding and Bulk Materials Handling
Duration	October 2014 – March 2015
Client	Eskom Enterprises
Location	Lephalale, Limpopo Province, South Africa
Project Value	Est. ZAR 2bn
Description	Geotechnical investigation of rail siding, lime and gypsum stockyards and materials handling infrastructure
Role	Principal engineering geologist responsible for liaising with client and design team and analyses and reporting.
Project Name	Tamboekiesfontein PRASA rolling stock manufacturing facility
Duration	November 2013 – February 2014
Client	Alstom
Location	Heidelberg, Gauteng Province, South Africa
Project Value	ZAR 150 000 fee
Description	Dolomite stability and phase 1 geotechnical investigation for greenfield railway rolling stock manufacturing facility, carried out as part of site selection process.
Role	Team member responsible for analyses and reporting.
Project Name	Malawi Irrigation Dams
Duration	September – November 2013
Client	GOPA Worldwide
Location	Malawi
Project Value	EUR 160 000 fee
Description	Geotechnical investigations undertaken of four earthfill irrigation dams as part of feasibility study.
Role	Principal engineering geologist responsible for joint analyses, reporting and peer review.
Project Name	Neusberg Hydropower Project
Duration	October – November 2013
Client	CSV Construction
Location	Kakamas, Northern Cape Province, South Africa
Project Value	ZAR 577m
Description	Slope stability evaluation of headrace canal including field mapping, rock mass classifications according to Bieniawski's (1989) RMR and Barton et al's (1974) Q-system, and 2D finite element (Phase2) slope stability modelling.
Role	Team member responsible for analyses and reporting.
Project Name	Addax Bioenergy Project
Duration	April – August 2010 and February – April 2012
Client	Addax Bioenergy (through Kwembi Consulting)
Location	Makeni, Republic of Sierra Leone

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Project Value	EUR 267m
Description	Phase 1 geotechnical investigation of bulk water supply works for new sugarcane irrigation scheme for the production of biofuel including 7km of canals, six pump stations and six earthfill storage dams.
Role	Principal engineering geologist responsible for data analyses and reporting.
Project Name	BRPM Water Reclamation Plant
Duration	June – July 2011
Client	Bigen Africa
Location	Sun City, North West Province, South Africa
Project Value	Est. ZAR 25m
Description	Phase 1 geotechnical investigation for new water reclamation plant.
Role	Principal engineering geologist responsible for client liaison, data analyses and reporting.
Project Name	Bagamoyo Bioenergy Project,
Duration	February – June 2008
Client	SEKAB (through Kwembi Consulting)
Location	Bagamoyo, Tanzania
Project Value	ZAR 70 000 fee
Description	Geotechnical investigation of bulk water supply works including about 25km of irrigation canals, a storage dam and three pump stations as part of feasibility study for new biofuel project.
Role	Principal engineering geologist responsible for project management, fieldwork, analysis and reporting.
Project Name	Ngezi Expansion Project, Tailings and Return Water Dams
Duration	June – November 2007
Client	Zimbabwe Platinum Mines (Zimplats) Limited
Location	Ngezi, Zimbabwe
Project Value	Est. ZAR 50m
Description	Geotechnical investigation of tailings and return water dams.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Burnstone Gold Project
Duration	July – August 2007
Client	Great Basin Gold Limited (through SRK Consulting)
Location	Balfour, Gauteng Province, South Africa
Project Value	USD 145m
Description	Geotechnical investigation of new 500m deep vertical rock shaft including rock mass classification to determine support requirements and surface geotechnical investigations of winder house and ancillary structures.
Role	Engineering geologist responsible for geotechnical core logging, rock mass classifications and reporting.
Project Name	Medupi Power Station (Formerly Project Alpha)
Duration	June 2007
Client	Eskom Enterprises (through SRK Consulting)
Location	Lephalale, Limpopo Province, South Africa
Project Value	ZAR 220bn
Description	Geotechnical investigation of coal stockyard, conveyor line and access roads for proposed new coal fired power station.
Role	Team member responsible for fieldwork, analyses and reporting.
Project Name	Xinavane Sugar Cane Agricultural Expansion Project
Duration	April – May 2007
Client	Tongaat-Hullet/AdX (through Kwembi Consulting)
Location	Xinavane, Mozambique
Project Value	Est. ZAR 50m
Description	Geotechnical Investigation of bulk water supply works including 30km of irrigation canals, 4 storage dams and 4 pump stations, Xinavane.
Role	Principal engineering geologist responsible for all fieldwork, analysis and reporting.
Project Name	Markala Sugar Cane Expansion Project
Duration	January – April 2007
Client	Illovo Sugar (through Kwembi Consulting)
Location	Markala, Mali
Project Value	USD 320m
Description	Phase 1 geotechnical Investigation of bulk water supply works including 30km of irrigation canals as part of feasibility study for proposed sugar cane development.
Role	Principal engineering geologist responsible for client liaison, fieldwork, analysis and reporting.
Project Name	PPRust North Expansion Project, Tailings Disposal Facility
Duration	December 2006 – May 2007
Client	Anglo Platinum (through SRK Consulting)
Location	Mogalakwena Platinum Mine (Formerly PPLPlatinum), Mokopane, Limpopo Province, South Africa
Project Value	Est. ZAR 200m

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Description	Geotechnical investigation for new tailings disposal facility and extension to the existing return water dam across the farms Blinkwater and Zwartfontein, Mogolakwa Platinum Mine (formerly Potgietersrust Platinum Limited Mine (PPL)).
Role	Team member responsible for fieldwork, analyses and reporting.
Project Name	Smartt-Rissik Manganese Feasibility Study
Duration	March – May 2007
Client	United Manganese of Kalahari (UMK) (through SRK Consulting)
Location	Hotazel, Northern Cape Province, South Africa
Project Value	Est. ZAR 500m
Description	Geotechnical investigation of proposed plant site, railway loop, tailings disposal facility and associated infrastructure across the farms Smartt and Rissik
Role	Principal engineering geologist jointly responsible for fieldwork, analyses and reporting.
Project Name	Chlookop/Phomolong Low Cost Housing Project
Duration	January – February 2006
Client	Thubelisha Homes
Location	Chlookop/Pomelong Township, Tembisa, Gauteng Province, South Africa
Project Value	Est. ZAR 50m
Description	Geotechnical investigation of low cost housing development at Chlookop/Phomolong Township, Tembisa, Gauteng Province, South Africa.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Komando Drift Pipeline
Duration	April 2006
Client	Anglo Platinum
Location	Mogolakwa Platinum Mine (Potgietersrust Platinum Mine (PPL)), Mokopane, Limpopo Province, Limpopo Province
Project Value	Est. ZAR 50m
Description	Geotechnical Investigation of proposed rerouting of Komando Drift pipeline.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Randfontein Retirement Village
Duration	June 2006
Client	Loudal Developers
Location	Randfontein, Gauteng Province, South Africa
Project Value	Est. ZAR 25m
Description	Geotechnical investigation of proposed retirement village including foundation and dolomite stability assessment.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Akanani Pre-feasibility Study
Duration	November 2006
Client	Afriore
Location	Mokopane, Limpopo Province, South Africa
Project Value	Est. ZAR 10m
Description	Phase 1 geotechnical investigation for proposed platinum mine including plant, waste dump and tailings disposal facility.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Vaal River Mine Cut-off Trench Feasibility Study
Duration	November 2006
Client	Anglogold Ashanti
Location	Orkney, North West Province, South Africa
Project Value	Est. ZAR 100 000
Description	Geotechnical investigation to assess various options of passive and active seepage interception between tailings disposal facilities and Vaal River.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Mototolo Concentrator Project, Tailings Disposal Facility
Duration	January – March 2005; November 2005 – February 2006
Client	Anglo Platinum/Xtrata (Through DRA)
Location	Mototolo Platinum Mine, Steelport, Limpopo Province, South Africa
Project Value	ZAR 1.35bn
Description	Geotechnical investigations for new tailings dams on farms Helena and Maresburg, Limpopo Province.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	BRPM Styldrift Shaft Feasibility Study
Duration	March 2006 – March 2007
Client	RSV
Location	Bafokeng Rasimone Platinum Mine, Sun City, North West Province, South Africa
Project Value	Est. ZAR 10m
Description	Phase 1 geotechnical investigation for shallow portions of new Styldrift vertical shaft and associated plant infrastructure.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.

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Project Name	Richmond Dam Project
Duration	February – August 2006
Client	Anglo Platinum Management Services
Location	Klein Dwars River Valley, Steelpoort, Limpopo Province, South Africa
Project Value	ZAR 80m
Description	Phase 2 geotechnical investigation of dam basin to evaluate engineering properties soils and rock to a depth of about 20m and identify potential geological structures (faults and dykes) that underlie the proposed dam footprint.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Suidstort Project, Thabazimbi Iron Ore Mine
Duration	February 2006
Client	Kumba Resources Limited
Location	Thabazimbi, Limpopo Province, South Africa
Project Value	Est. ZAR 20m
Description	Geotechnical investigation of failing ore pass to assist in the design of a remedial reinforced earthwall.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Kamoto Re-development Feasibility Study
Duration	November – December 2005
Client	Kinros Forest Limited trading as Kamoto Copper Company
Location	Kolwezi, Katanga Province, Democratic Republic of the Congo
Project Value	USD 427m
Description	Phase 1 geotechnical investigation of two brownfields and one greenfield tailings dam sites.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Voorspoed Diamond Mine Pre and Definitive Feasibility Studies
Duration	December 2003 – January 2004; April – July 2005
Client	De Beers Consolidated Mines
Location	Voorspoed Diamond Mine, Kroonstad district, Free State Province, South Africa.
Project Value	ZAR 1m
Description	Geotechnical investigations of plant site and construction materials.
Role	Engineering geologist responsible for joint fieldwork, analyses and reporting.
Project Name	Zincor Refinery, New Residue Storage Facility
Duration	May – August 2005
Client	Kumba Base Metals
Location	Springs, Gauteng Province, South Africa.
Project Value	Est. ZAR R50m
Description	Geotechnical investigation for new lined residue and return water dams and a dolomite stability investigation.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Khumani Iron Ore Mine Phase 1 (Formerly BKM Iron Ore Project)
Duration	January – May 2005; December 2005 – June 2006
Client	Assmang (Through DRA)
Location	Sishen, Northern Cape Province, South Africa.
Project Value	ZAR 4bn
Description	Geotechnical investigations for plant infrastructure, overland conveyors, haul roads, tailings dam, railway deviation, railway loop, crushing stations, ancillary offices, parking areas, construction materials and dolomite stability investigation for Bruce crushing station.
Role	Engineering geologist jointly responsible for fieldwork, analyses and reporting.
Project Name	Base Metals Refinery, Future Matte Treatment Facility Feasibility Study
Duration	February – April 2005
Client	Anglo Platinum Management Services
Location	Base Metals Refinery, Rustenburg, North West Province, South Africa.
Project Value	Est. ZAR R50m
Description	Geotechnical investigation for extensions to existing plant, Base Metals Refinery, Rustenburg, North West Province, South Africa.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	UG2 Ferrochrome Smelter, Bankable Feasibility Study
Duration	April – May 2005
Client	Bateman Metals Limited
Location	Northam, Limpopo Province, South Africa.
Project Value	Est. ZAR 1m
Description	Phase 1 geotechnical investigation for plant infrastructure, roads and construction material for proposed new UG2 ferrochrome smelter.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Meadowdale Extension 5, Industrial Development
Duration	April – June 2005

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Client	Investec Properties
Location	Meadowdale Extension 5, Germiston, Gauteng Province, South Africa.
Project Value	Est. ZAR
Description	Geotechnical investigation for new industrial development.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Brits Sewage Works Extensions
Duration	September – November 2005
Client	Madibeng Municipality
Location	Brits, North West Province, South Africa.
Project Value	Est. ZAR 20m
Description	Geotechnical investigation carried out to assess founding conditions for proposed extensions to existing sewage works.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Mortimer Water Treatment Plant Extensions
Duration	September – October 2005
Client	Anglo Platinum Management Services
Location	Rustenburg Platinum Mine, Union Section, Limpopo Province, South Africa.
Project Value	Est. ZAR R20m
Description	Geotechnical investigation of proposed extensions to existing water treatment plant.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Irene Mal
Duration	August 2005
Client	Sutherland Associates
Location	Irene, Gauteng Province, South Africa.
Project Value	ZAR 500m
Description	Trenching of fill to assess suitability of dynamic compaction as ground improvement method.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Precious Metals Refinery, New Lined Maintenance Dam
Duration	November – December 2004
Client	Rustenburg Platinum Mines Limited (Anglo Platinum Limited)
Location	Precious Metals Refinery, Rustenburg, North West Province, South Africa.
Project Value	Est. ZAR R10m
Description	Geotechnical investigation for new lined holding dam. Responsible for fieldwork, data analyses and reporting.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Kroondal Platinum Mine, PSA Tailings Disposal Complex
Duration	July – August 2004
Client	Aquarius Platinum (SA) Pty (Ltd)
Location	Kroondal, North West Province, South Africa.
Project Value	Est. ZAR 50m
Description	Geotechnical investigation for the new PSA tailings dam. Responsible for fieldwork, data analyses and reporting.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Phase 2/3 Expansion Feasibility Study, Dwaalkop Development, Tailings Dam Complex.
Duration	May – July 2004
Client	Messina Platinum Limited
Location	Lebowakgomo, Limpopo Province, South Africa.
Project Value	Est. ZAR 10m
Description	Geotechnical investigation of a new tailings dam for the Dwaalkop Feasibility Study. Responsible for fieldwork, data analyses and reporting.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Ngezi Concentrator Project
Duration	March – May 2004
Client	Zimbabwe Platinum Mines (Zimplats) Limited (through DRA)
Location	Ngezi, Zimbabwe
Project Value	Est. ZAR 500m
Description	Geotechnical investigation of plant site, managers' camp, conveyors, crushing station and construction materials.
Role	Engineering geologist jointly responsible for fieldwork, analyses and reporting.
Project Name	Rustenburg Platinum Mines, Amandelbult Section, Tailings Dam Extension 3A
Duration	November 2003 – March 2004
Client	Rustenburg Platinum Mines Limited Amandelbult Section.
Location	Amandelbult Section, Limpopo Province, South Africa.
Project Value	Est. ZAR 100m
Description	Geotechnical investigation of tailings dam 3A. Responsible for fieldwork, data analyses and reporting.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.

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Project Name	Venetia Diamond Mine, Stormwater Control System
Duration	June – August 2004
Client	De Beers Consolidated Mines (Pty) Ltd
Location	Venetia Diamond Mine, Alldays, Limpopo Province, South Africa
Project Value	Est. ZAR 50m
Description	Geotechnical investigation for storm water control dam and storm water drainage systems around open pit.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Waterval Smelter Extensions
Duration	August 2004
Client	Anglo Platinum Limited
Location	Waterval Smelter, Rustenburg, North West Province, South Africa.
Project Value	Est. ZAR 10m
Description	Geotechnical investigation of weighbridge, conveyors and plant infrastructure.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Kynoch Fertilizer Plant Effluent Dam
Duration	October – November 2004
Client	Kynoch Fertilizer Limited
Location	Potchefstroom, North West Province, South Africa.
Project Value	ZAR R10m
Description	Geotechnical investigation for new lined effluent dam.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Bongani School Tar Road Extension
Duration	January – May 2004
Client	Madisha and Associates Pty (Ltd)
Location	Endecot, Springs, Gauteng Province, South Africa
Project Value	Est. ZAR 5m
Description	Geotechnical investigation for asphalt surfacing of 1km long access road to a rural school.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Rosema Bricks Slope Stability Assessment
Duration	November 2003
Client	ERA Bricks (Pty) Ltd (Rosema Bricks)
Location	Rosema Bricks, Olifantsfontein, Gauteng Province, South Africa
Project Value	ZAR 25 000 fee
Description	Slope stability investigation of western highwall to clay quarry adjacent to R21 highway.
Role	Engineering geologist responsible for fieldwork, analyses and reporting.
Project Name	Afrikander Leases Gold Mine
Duration	June – November 2003
Client	Aflease Limited
Location	Klerksdorp, North West Province, South Africa
Project Value	ZAR 120 000
Description	Geological consulting services
Role	Responsible for in pit structural mapping, core logging, sampling and exploration management.
Project Name	Blue Ridge, Sheba's Ridge and Fonte Verdi Platinum Exploration Projects
Duration	February 2001 – May 2003
Client	Cluff Platinum Limited
Location	Grobiersdal and Bronkhorstspruit, Mpumalanga and Gauteng provinces, South Africa.
Project Value	ZAR 50m
Description	Exploration consulting services
Role	Activities included geological field mapping, core logging, sampling and data base management.

SOFTWARE PROFICIENCY

- Dips, Slide, Phase 2, RocFall, RocPlane, Swedge, RocTopple by RocScience
- Dotplot by Jones and Wagner
- Microsoft Office
- Split Desktop by Split Inc