

## Bruce Engelsman

### Partner / Principal Engineer



**Profession** Civil Engineer

**Education** BSc, Civil Eng, University of Cape Town, 1994

**Registrations/  
Affiliations** Pr Eng (South Africa), 980152  
Pr Construction Project Manager, SACPCMP (D/893/2005)

**Specialisation** Civil geotechnics, nuclear siting geotechnics, waste management (including tailings), mine closure, land contamination / remediation and flood risk

**Expertise** Bruce Engelsman has been involved in environmental and engineering projects for the past 24 years. His expertise includes:

- project management of geotechnical and surface water projects;
- geotechnical investigations and design including onshore civil geotechnics and shallow marine geotechnics (harbours);
- numerical modelling (HECRAS, Leapfrog);
- land rehabilitation/remediation design;
- flooding and flood risk assessments;
- road design and 3-D AutoCAD design;
- closure cost assessments for industrial/mining developments;
- waste engineering (tailings, landfill design and waste management);
- nuclear site licensing (geotechnical);
- water and geotechnical specialist studies for environmental impact assessments (EIAs);
- part time lecturing (University of Cape Town).

### Employment

**2010 – present** SRK Consulting (Pty) Ltd, Partner (Civil Engineer), Cape Town

**2007 – 2010** SRK Consulting (Pty) Ltd, Associate(Civil Engineer), Cape Town

**2004 – 2007** SRK Consulting (Pty) Ltd, Principal Civil Engineer, Cape Town

**2000 – 2004** SRK Consulting (Pty) Ltd, Senior Civil Engineer, Cape Town

**1997 – 2000** SRK Consulting (Pty) Ltd, Civil Engineer, Cape Town

**1994 – 1997** SRK Consulting (Pty) Ltd, Junior Civil Engineer, Johannesburg

**Publications** Publication on environmental and public participation aspects of river corridor management  
Various submissions related to waste management to SA Publications

**Languages** English – read, write, speak  
Afrikaans – read, write, speak

# **Bruce Engelsman**

## **Partner / Principal Engineer**

### **Publications**

1. Engelsman, B King, K (2013): Improving waste management. IMIESA, 2013
2. Engelsman, B (2007): Angolan Oil Industry Sets New 'Green' Standard: Resource Magazine, 2007
3. Engelsman, B, Morris, J, Sampson I (2007): "Hazard": Resource Magazine, 2007
4. Engelsman, B., Braune, M, Steytler, N (2002): A New Approach to Urban River Management: Integration of Engineering, Environmental and Public Participation Aspects. IMIESA, 2002

# Bruce Engelsman

## Partner / Principal Engineer

### Key Experience: Geotechnical and civil engineering

Location: Boegoebaai, West Coast, South Africa  
 Project duration & year: 2018 - present  
 Client: PRDW  
 Name of Project: Boegoebaai Port  
 Project Description: Geotechnical investigation (onshore) and quarry feasibility  
 Job Title and Duties: Project manager, principal geotechnical engineer  
 Value of Project: ZAR 2 000k

Location: Nuclear sites (Eastern and Western Cape), South Africa  
 Project duration & year: 2017 - present  
 Client: Eskom Holdings Limited  
 Name of Project: Phase 2 of Site Safety Report Updates  
 Project Description: Update of SSRs for potential nuclear power station sites  
 Job Title and Duties: Project Partner and technical manager,  
 Value of Project: Confidential

Location: Clanwilliam, Western Cape, South Africa  
 Project duration & year: 2016 – present  
 Client: Bigen Africa  
 Name of Project: Raising of the Clanwilliam Dam Wall - Geotechnics  
 Project Description: Design input and construction supervision for geotechnical aspects of the project  
 Job Title and Duties: Project manager and reviewer  
 Value of Project: ZAR 2 800k

Location: Western and Eastern Cape, South Africa  
 Project duration & year: Ongoing  
 Client: Various  
 Name of Project: Geotech.inv. for a variety of developments over the past 16 years in the Western and Eastern Cape  
 Project Description: As above  
 Job Title and Duties: Ranging from junior engineer to Principal engineer and Project Manager  
 Value of Project: Cumulative (ZAR 3 million)

Location: Western Cape, South Africa  
 Project duration & year: 2015 – 2017  
 Client: Elandsfontein Exploration & Mining (Pty) Ltd  
 Name of Project: Mine dewatering and Geotechnical Stability Assessment  
 Project Description: Integration of mine dewatering models and geotechnical integrity numerical models  
 Job Title and Duties: Geotechnical stability aspects and project management  
 Value of Project: ZAR 550k

Location: Heidelberg, Western Cape, South Africa  
 Project duration & year: 2015  
 Client: Ecca Holdings (Pty) Ltd  
 Name of Project: Bentonite mine slope stability assessment  
 Project Description: Independent assessment of hangingwall stability  
 Job Title and Duties: Project manager and reviewer  
 Value of Project: ZAR 100k

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## Partner / Principal Engineer

### Key Experience: Geotechnical and civil engineering

Location:	Northern Cape, South Africa
Project duration & year:	2014 - 2015
Client:	Gibb (Pty) Ltd
Name of Project:	Xina Solar Pile Design Review
Project Description:	Review of pile design for PV solar project
Job Title and Duties:	Design Reviewer
Value of Project:	ZAR 150k
Location:	Luanda, Angola
Project duration & year:	2013 - present
Client:	Ango Global International
Name of Project:	Imbondeiro Waste Management
Project Description:	Specialist input into development of a multi-disciplinary waste management facility
Job Title and Duties:	Specialist waste management consultant and project manager
Value of Project:	\$300k (fees)
Location:	Richards Bay, South Africa
Project duration & year:	2013
Client:	Vopak Terminal Durban
Name of Project:	Geotechnical investigation of proposed hydrocarbons storage facility
Project Description:	Project and technical manager for the proposed hydrocarbon storage facility at the Port of Richards Bay. Scope included drilling, test pitting, CPTu and DPSH probing.
Job Title and Duties:	Project manager and technical oversight
Value of Project:	ZAR 1 million (Total project value)
Location:	Port Harcourt, Nigeria
Project duration & year:	2013
Client:	DEL Waste Management
Name of Project:	DEL Waste Management Review
Project Description:	Specialist review for proposed hazardous waste site in Port Harcourt
Job Title and Duties:	Specialist waste management consultant to DEL
Value of Project:	\$60k (fees)
Location:	Saldanha Bay, South Africa
Project duration & year:	2012 - 2013
Client:	Prestedge Retief Dresner Wijnberg
Name of Project:	General Maintenance Quay(GMQ) Extensions Geotechnical Investigation
Project Description:	Project and technical manager for the proposed GMQ extensions at the Port of Saldanha Bay
Job Title and Duties:	Project manager and technical oversight
Value of Project:	ZAR 2 million (Total project value)
Location:	Eastern Cape Nuclear sites, South Africa
Project duration & year:	2012
Client:	Eskom Holdings Limited
Name of Project:	Shear Wave Velocity Measurement at the Thyspunt Nuclear Site
Project Description:	Project and technical manager, shear wave velocity profiling of the Thyspunt Nuclear site in support of the Probabilistic Seismic Hazard Assessment (PSHA) Scope: drilling & borehole construction + downhole PS Suspension Logging
Job Title and Duties:	Project manager and technical oversight
Value of Project:	ZAR 15 million (Total project value)

# Bruce Engelsman

## Partner / Principal Engineer

### Key Experience: Geotechnical and civil engineering

Project duration & year:	2011 - 2012
Client:	Fluor / China Rail Construction Company
Name of Project:	Simandou Rail Geotechnical Investigation
Project Description:	Design, Planning, Site involvement and writing of Interpretive reports for the Geotechnical Investigation of a 600 km long railway line from Simandou Mine to Conakry.
Job Title and Duties:	Principal Geotechnical Engineer
Value of Project:	50 million Euros
Location:	Fresnaye, Cape Town, South Africa
Project duration & year:	2010
Client:	Mr Egon Mauss
Name of Project:	House Mauss
Project Description:	Intricate lateral support and founding of a ZAR30 million house within a highly variable geotech, environment. Structural design of the 5 level structure with high-end concrete (off-shutter) finish.
Job Title and Duties:	Principal Geotechnical and Structural Engineer
Value of Project:	ZAR2 million
Location:	Western and Eastern Cape Nuclear sites, South Africa
Project duration & year:	2008 – ongoing
Client:	Eskom Holdings Limited
Name of Project:	Eskom Nuclear Sites Seismic Hazard Project Management Committee
Project Description:	Member of the project manager Comm. overseeing the Probabilistic Seismic Hazard Analysis for Vibratory Ground Motion at proposed nuclear sites (ZAR 180 million project involving international seismic hazard community).
Job Title and Duties:	Project management committee member (geotechnical engineering)
Value of Project:	ZAR 180 million (Total project value)
Location:	Western and Eastern Cape Nuclear sites, South Africa
Project duration & year:	2007 – ongoing
Client:	Eskom Holdings Limited
Name of Project:	Eskom Nuclear Sites Investigation Project
Project Description:	Geotech characterization and Site Safety Reports for potential nuclear power plant sites to support site licensing applications to the National Nuclear Regulator of South Africa – involving detailed site characterisation of rocks and soils on three sites
Job Title and Duties:	Principal Engineer and Project Manager
Value of Project:	R30 million (Total geotechnical budget)
Location:	Luanda, Angola
Project duration & year:	2007
Client:	Sonangol Integrated Logistics Services Lda
Name of Project:	Luanda Bay Expansion Project
Project Description:	On / offshore geotech.invfor SONILS Base extensions and construction of numerous related marine structures incl. harbours, pipelines, jetties and quay walls
Job Title and Duties:	Principal Geotechnical Engineer (Project Manager)
Value of Project:	600k ZAR (Fees)

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### Key Experience: Geotechnical and civil engineering

Location: Luanda, Angola  
 Project duration & year: 2006  
 Client: Sonangol Integrated Logistics Services Lda  
 Name of Project: SONILS Marine GI Project  
 Project Description: On / offshore geotechnical, for extensions to the SONILS Quay and a heavy lift Crane Bay (1000 t capacity). Baseline contamination assessment for a reclaimed area within the SONILS facility.  
 Job Title and Duties: Senior Geotechnical Engineer (Project Manager)  
 Value of Project: 600k ZAR (Fees)

Location: Tarkwa, Ghana  
 Project duration & year: February 2002 – June 2002  
 Client: Goldfields Ghana Ltd  
 Name of Project: Tarkwa Gold Mine (Atuabo / Mantraim, Pepe, Teberebie, Akontansi, Kottraverchy) Open Pit Mine Designs– Ghana  
 Project Description: Open Pit Mine Slope Design  
 Job Title and Duties: Senior Engineer – finite difference (FLAC) numerical modelling of 6 open pit mine designs  
 Value of Project: 75 k US\$ (Fees)

Location: Paarl, Western Cape  
 Project duration & year: 2002  
 Client: Confidential  
 Name of Project: Pearl Valley Signature golf Estate  
 Project Description: Water Feature Design – Geotechnical design of a series of water features aimed at providing the course with water hazards and serving as a global course dewatering system at the same time  
 Job Title and Duties: Design Engineer  
 Value of Project: 300k ZAR (Fees)

Location: Knysna, South Africa  
 Project duration & year: 2002  
 Client: Confidential  
 Name of Project: Sparrebosch Clifftop Estate and Country Club  
 Project Description: Earth Dam Design – Geotechnical design of two earth dams (3 000 m<sup>3</sup> returnwater dam and 17 000 m<sup>3</sup> irrigation storage dam). Knysna Municipal Sewage Treatment Works Upgrade – Upgrade design of a 1 mega litre stream of the existing treatment works (the treated effluent being used for irrigation of the Estate golf course). Roads (ROADMATE) and Civil Services Design – Design of Residential roads and related Civil Services. Stormwater Design - Stormwater runoff management to interact with existing services and the golf course surface and subsurface drainage plans. Contract Documentation and Administration – Compilation of Tender Documentation for the Roads and Services Contracts  
 Job Title and Duties: Design Engineer  
 Value of Project: 1 000k ZAR (Fees)

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### Key Experience: Waste management and design

Location: Beaufort West, Western Cape, South Africa  
 Project duration & year: 2016 – present  
 Client: DRA Projects (SA) (Pty) Ltd  
 Name of Project: TSF Design Aspects for Feasibility  
 Project Description: Preliminary Design of tailings facility for project LOM  
 Job Title and Duties: Project manager and principal engineer  
 Value of Project: R600k

Location: Kuruman, Northern Cape, South Africa  
 Project duration & year: 2015 – present  
 Client: Mintek  
 Name of Project: Bosrand Asbestos Mine Closure  
 Project Description: Mine Closure  
 Job Title and Duties: Principal Engineer and Reviewer  
 Value of Project: Confidential

Location: Porto Ambiom Angola  
 Project duration & year: 2015 - present  
 Client: Welldrill Limitada  
 Name of Project: Porto Ambiom Hazardous Waste Landfill Design  
 Project Description: Design of hazardous waste landfill to RSA Standards  
 Job Title and Duties: Principal design engineer and project manager  
 Value of Project: ZAR 1.1 million

Location: Various projects, Western Cape, SA  
 Project duration & year: Ongoing  
 Client: Various EIA Consultants  
 Name of Project: Geotechnical Specialist Studies for Landfill Sites  
 Project Description: Specialist contributions to Landfill EIAs  
 Job Title and Duties: Principal Geotechnical Engineer  
 Value of Project: ZAR 500 to date

Location: Brand se Baai, West Coast, South Africa  
 Project duration & year: 2015 – 2018  
 Client: Tronox Mineral Sands (Pty) Ltd  
 Name of Project: Slimes Dam 6 (West Mine) Investigation and Design  
 Project Description: Closure Design of existing slimes dams + a new slimes dam facility for LOM  
 Job Title and Duties: Project manager  
 Value of Project: ZAR 2.8 mil

Location: Soyo, Angola  
 Project duration & year: 2013 – present  
 Client: Angola Environmental Servicos Lda  
 Name of Project: Soyo Landfill Feasibility Design  
 Project Description: Feasibility design of proposed Soyo Hazardous Waste Landfill + associated infrastructure  
 Job Title and Duties: Principal Geotechnical Engineer (Project Manager)  
 Value of Project: 300k ZAR (Fees)

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### Key Experience: Waste management and design

Location:	Mossel Bay, South Africa
Project duration & year:	2013 -2014
Client:	PetroSA
Name of Project:	Hazardous Waste Cell Closure Design
Project Description:	Closure design of defunct waste cell.
Job Title and Duties:	Specialist review
Value of Project:	R100k ZAR (fees)
Location:	Cacuaco, Angola
Project duration & year:	2012 – present
Client:	Angola Environmental Servicos Lda
Name of Project:	Cacuaco Landfill Design and Extensions (2012)
Project Description:	Extensions to the Cacuaco landfill including design of Thermal Desorption Unit (TDU) residue cells and extensions to domestic (general) waste cells
Job Title and Duties:	Principal Geotechnical Engineer (Project Manager)
Value of Project:	350k ZAR (Fees)
Location:	Mossel Bay, South Africa
Project duration & year:	2010 - ongoing
Client:	PetroSA
Name of Project:	New H:H Waste Cell and Sludge Pond Design
Project Description:	Design of a new co-disposal General/Hazardous waste (200 000 m <sup>3</sup> ) cell and a 60 000 m <sup>3</sup> Sludge Pond at the PetroSA plant in Mossel Bay.
Job Title and Duties:	Principal Geotechnical Engineer (Project Manager)
Value of Project:	360k ZAR (Fees)
Location:	Malongo, Cabinda Province, Angola
Project duration & year:	2004 to 2011
Client:	Cabinda Gulf Oil Company (CABGOC)
Name of Project:	Malongo Landfill
Project Description:	Geotechnical site investigation, liner design, contract documentation and construction supervision of a domestic/hazardous waste landfill.
Job Title and Duties:	Principal Engineer (Waste Engineering)
Value of Project:	30 million ZAR
Location:	Cacuaco, Angola
Project duration & year:	2004 - 2010
Client:	Angola Environmental Servicos Lda
Name of Project:	Cacuaco Landfill Design and Extensions
Project Description:	Design of original landfill and extensions (3 off) to existing landfill incorporating hazardous and domestic waste cells to receive offshore waste.
Job Title and Duties:	Principal Geotechnical Engineer (Project Manager)
Value of Project:	400k ZAR (Fees)
Location:	Coega, Eastern Cape, South Africa
Project duration & year:	2004
Client:	Africon
Name of Project:	Coega Litter Trap
Project Description:	Hydraulic and structural design of a Self-Cleansing System Litter trap for the Coega port development
Job Title and Duties:	Senior Engineer (Hydraulics and civils)
Value of Project:	50 k ZAR (Fees)

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#### **Key Experience: Waste management and design**

Location: Coega, Eastern Cape, South Africa  
 Project duration & year: 2004  
 Client: Africon  
 Name of Project: Coega Wetland Treatment System for contaminated stormwater  
 Project Description: Conceptual design of a wetland treatment system for water emanating from stormwater detention ponds  
 Job Title and Duties: Senior Engineer (Hydraulics and civils)  
 Value of Project: 50 k ZAR (Fees)

Location: Eastern Cape, South Africa  
 Project duration & year: 2003  
 Client: Nelson Mandela Metropolitan Municipality  
 Name of Project: iBhayi Waste Site Closure  
 Project Description: Design of defunct waste site facility closure including parallel use as a stormwater detention facility prone to flooding  
 Job Title and Duties: Senior Engineer – closure design and earthworks optimisation  
 Value of Project: 16 million ZAR

Location: Worcester, South Africa  
 Project duration & year: 2002  
 Client: KWV  
 Name of Project: Risk assessment for the establishment of a waste disposal site  
 Project Description: Assessing the probability of polluting nearby watercourses due to flooding and seepage risks  
 Job Title and Duties: Senior Engineer and Risk Assessment Specialist  
 Value of Project: 100 k ZAR (Fees)

#### **Key Experience: Stormwater and flood risk**

Location: De Hoek, Western Cape, South Africa  
 Project duration & year: 2015 - present  
 Client: PPC (Pty) Ltd  
 Name of Project: Vondeling Quarry Stream Diversions Feasibility and Design  
 Project Description: Design of stream diversion traversing inpit fill area  
 Job Title and Duties: Principal design engineer  
 Value of Project: ZAR 200k

Location: Namibia  
 Project duration & year: 2013 - present  
 Client: Skorpion Zinc  
 Name of Project: Gergarub Feasibility Study  
 Project Description: Hydrology and Hydraulics Specialist study in support of the Gergarub Mine Feasibility study and EIA.  
 Job Title and Duties: Principal engineer and project manager  
 Value of Project: R300k (Fees)

Location: RSA  
 Project duration & year: 2011 - present  
 Client: Santam Limited  
 Name of Project: Coastal Flood Risk Assessment  
 Project Description: Sea and river flooding of many selected coastal towns/villages/suburbs to identify risk addresses in accordance with the client risk appetite. Production of a risk address list (Street addresses) for each area.  
 Job Title and Duties: Principal engineer and project manager  
 Value of Project: R1,5 million

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## Partner / Principal Engineer

### Key Experience: Stormwater and flood risk

Location: Western and Eastern Cape  
 Project duration & year: 2010 - 2013  
 Client: Various renewable Energy Companies (Solar and Wind)  
 Name of Project: Floodline determinations for various sites  
 Project Description: Calculating the 1:50 and 1:100 year floodlines on various proposed renewable energy sites.  
 Job Title and Duties: Principal engineer and Project Manager  
 Value of Project: R400 k to date

Location: Cape Town  
 Project duration & year: 2009 - present  
 Client: City of Cape Town (Catchment Stormwater and River Management Branch)  
 Name of Project: Salt River Stormwater Asset Management and Master planning  
 Project Description: Master planning of the Salt River catchment including manmade and natural drainage  
 Job Title and Duties: Locally based Project technical support  
 Value of Project: ZAR 3000k

Location: Cape Town  
 Project duration & year: 2009 - present  
 Client: City of Cape Town (Catchment Stormwater and River Management Branch)  
 Name of Project: CSRM Geo-database Design and Implementation  
 Project Description: Design of a new GIS Geo-database and population of the geo-database with existing stormwater asset data  
 Job Title and Duties: Project Manager  
 Value of Project: ZAR 2000k

Location: Western and Eastern Cape, South Africa  
 Project duration & year: 2006 - present  
 Client: Eskom Holdings  
 Name of Project: Eskom Nuclear Sites Licensing  
 Project Description: Hydrology and Hydraulics Site Safety Reports  
 Job Title and Duties: Project Manager (Hydraulics)  
 Value of Project: ZAR 1000k (fees)

Location: Cape Town/Stellenbosch, South Africa  
 Project duration & year: 2000 to 2004  
 Client: City of Cape Town Catchment Management Department/Stellenbosch Municipality  
 Name of Project: Diep, Eerste, Krom and Plankenbrug River Flood Risk Assessments and Early Flood Warning Systems  
 Project Description: Identification of high flood risk areas, design of remediation/flood management strategies and costing of flood management strategies implementation as well as conceptual design of early warning systems  
 Job Title and Duties: Senior Engineer (Hydraulics)  
 Value of Project: 500 k ZAR (Fees)

## Bruce Engelsman

### Partner / Principal Engineer

#### Key Experience: Mine / industrial closure

Location: Various  
 Project duration & year: 2016 - present  
 Client: MINTEK  
 Name of Project: Closure/Remediation of Defunct Asbestos Mines  
 Project Description: Design and implementation of closure activities to render defunct asbestos mines safe  
 Job Title and Duties: Project Partner, principal engineer  
 Value of Project: Confidential

Location: Wellington, Western Cape, South Africa  
 Project duration & year: 2015  
 Client: Rheinmetall Denel Munition RF (Pty) Ltd  
 Name of Project: Closure Cost Assessment for defunct plant  
 Project Description: Closure costing  
 Job Title and Duties: Principal Engineer  
 Value of Project: Confidential

Location: Tronox Namakwa Sands  
 Project duration & year: 2012 – 2016  
 Client: Tronox  
 Name of Project: Updating of Closure Cost Assessment (CCA) for Northern and Southern Operations  
 Project Description: Updating of CCA for the Mine Site, Minerals Separation Plant (both at Koekenaap) and Smelter (Saldanha Bay) sites.  
 Job Title and Duties: Principal Engineer and Project Manager  
 Value of Project: R200k

Location: Exxarro Namakwa Sands  
 Project duration & year: 2011  
 Client: Exxarro  
 Name of Project: Updating of Closure Cost Assessment (CCA) for Northern and Southern Operations  
 Project Description: Updating of CCA for the Mine Site, Minerals Separation Plant (both at Koekenaap) and Smelter (Saldanha Bay) sites.  
 Job Title and Duties: Principal Engineer and Project Manager  
 Value of Project: R200k

Location: Paramaribo, Suriname, South America  
 Project duration & year: 2009  
 Client: Staatsolie  
 Name of Project: Staatsolie Refinery Closure Cost Assessment  
 Project Description: Closure cost assessment and planning for an existing refinery (Taut Luis Faut) and a proposed new refinery in Paramaribo for the state owned oil company, Staatsolie  
 Job Title and Duties: Principal Engineer  
 Value of Project: \$30k

Location: Milnerton, Cape Town, South Africa  
 Project duration & year: 2005  
 Client: AECI Ltd  
 Name of Project: Kynoch Fertilizer Factory Closure cost Assessment  
 Project Description: Closure cost assessment for an existing fertilizer factory and distribution depot.  
 Job Title and Duties: Senior Engineer  
 Value of Project: ZAR100k (fees)

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### Partner / Principal Engineer

#### **Key Experience: Mine / industrial closure**

Location: Western Cape, South Africa  
 Project duration & year: 2004  
 Client: Namakwa Sands  
 Name of Project: Namakwa Sands Closure Plan and Costing  
 Project Description: Closure planning of a heavy minerals sand mine situated on the West Coast of South Africa. Mine infrastructure included the mine site (5700 ha) a minerals separation plant (MSP) 60 km from the mine site and a smelter situated at Saldanha Bay, some 200 km from the MSP  
 Job Title and Duties: Senior Engineer – Closure planning and costing  
 Value of Project: 200 k ZAR (Fees)

#### **Key Experience: Contamination / environment experience**

Location: Cacuaco, Angola  
 Project duration & year: 2004 – present  
 Client: Angola Environmental Servicos Lda  
 Name of Project: Cacuaco Landfill Extensions  
 Project Description: Design of original landfill and extensions to existing hazardous landfill incorporating domestic waste cells to receive offshore waste.  
 Job Title and Duties: Principal Geotechnical Engineer (Project Manager)  
 Value of Project: 200k ZAR (Fees)

Location: Canuku Oil Field Offshore, Angola  
 Project duration & year: 2008  
 Client: Sonangol E&P  
 Name of Project: Canuku Abandonment EIA  
 Project Description: Abandonment waste management planning  
 Job Title and Duties: Principal Engineer (Project Manager)  
 Value of Project: ZAR 100k (fees)

Location: Offshore, Angola  
 Project duration & year: 2008  
 Client: Maersk Oil Angola As  
 Name of Project: Maersk Block 8, 23, 16, Exploration  
 Project Description: Exploration waste management planning  
 Job Title and Duties: Principal Engineer (Project Manager)  
 Value of Project: ZAR 500k (fees)

Location: Malongo Base, Cabinda Province, Angola  
 Project duration & year: 2008  
 Client: Cabinda Gulf Oil Company  
 Name of Project: Malongo scrap metal recovery project  
 Project Description: HES and contamination consultant.  
 Job Title and Duties: Principal Engineer (Project Manager)  
 Value of Project: \$20 million project

Location: Malongo Base, Cabinda Province, Angola  
 Project duration & year: 2008  
 Client: Cabinda Gulf Oil Company  
 Name of Project: Malongo deep level contamination assessment  
 Project Description: Nitrate migration site assessment to 50m depth below ground level.  
 Job Title and Duties: Principal Engineer (Project Manager)  
 Value of Project: 150k ZAR (Fees)

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### Key Experience: Contamination / environment experience

Location:	Kwanza, Angola
Project duration & year:	2007
Client:	Sonangol E&P
Name of Project:	Kwanza Onshore Block Exploration EIA
Project Description:	Onshore exploration waste management planning.
Job Title and Duties:	Principal Engineer (Project Manager)
Value of Project:	ZAR 200k (fees)
Location:	Cabinda, Angola
Project duration & year:	2007
Client:	Rocoil Angola
Name of Project:	Cabinda South Onshore Block
Project Description:	Exploration waste management planning. Waste management auditing (drilling and seismics)
Job Title and Duties:	Principal Engineer (Project Manager)
Value of Project:	ZAR 200k (fees)
Location:	Cabinda, Angola
Project duration & year:	2007
Client:	Sonangol E&P
Name of Project:	Cabinda North Onshore Block
Project Description:	Exploration waste management planning
Job Title and Duties:	Principal Engineer (Project Manager)
Value of Project:	ZAR 100k (fees)
Location:	Luanda, Angola
Project duration & year:	2006
Client:	Sonangol Integrated Logistics Lda
Name of Project:	SONILS Marine GI Project
Project Description:	Baseline contamination assessment for a reclaimed area within the SONILS facility. On and offshore geotechnical investigation for extensions to the SONILS Quay and for the proposed construction of a heavy lift Crane Bay (1000 t capacity).
Job Title and Duties:	Senior Geotechnical Engineer (Project Manager)
Value of Project:	600k ZAR (Fees)
Location:	Port Harcourt (Omagwa), Nigeria.
Project duration & year:	2006
Client:	Delta Environmental Logistics
Name of Project:	Delta Environmental Logistics – Hazardous Waste Landfill
Project Description:	Site investigation and conceptual design of a hazardous waste landfill.
Job Title and Duties:	Senior Engineer (Project Manager)
Value of Project:	350 k US\$
Location:	Malongo Base, Cabinda Province, Angola
Project duration & year:	2005
Client:	Cabinda Gulf Oil Company
Name of Project:	Malongo Site Assessment
Project Description:	Malongo base baseline contamination assessment and remediation planning
Job Title and Duties:	Senior Engineer (Project Manager)
Value of Project:	1,8 million ZAR (Fees)

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### Key Experience: Contamination / environment experience

Location: Malongo Base, Cabinda Province, Angola  
Project duration & year: 2004 – 2010  
Client: Cabinda Gulf Oil Company  
Name of Project: Malongo Landfill  
Project Description: Design, contract documentation of a domestic/hazardous waste landfill.  
Job Title and Duties: Senior/principal Engineer (Waste Engineering)  
Value of Project: 30 million ZAR

Location: AECI Somerset West – South Africa  
Project duration & year: 2004  
Client: AECI Ltd  
Name of Project: Rehabilitation of Gypsum Evaporation Ponds and Storage Dumps  
Project Description: Site characterisation from a pollution and gypsum quality angle. Rehabilitation design aimed at using available gypsum product as a source of cash income to finance the rehabilitation programme. Predicting cash flows as part of the overall project management of the rehabilitation programme  
Job Title and Duties: Senior Engineer and Project Manager  
Value of Project: 100 k ZAR (Fees)

Location: Cacuaco (Luanda), Angola.  
Project duration & year: 2003 – 2004  
Client: Intels Angola Services LDA  
Name of Project: Hazardous Waste Landfill  
Project Description: Site investigation, conceptual design, detailed design, tender documentation and adjudication  
Job Title and Duties: Senior Engineer (Project Manager)  
Value of Project: 350 k US\$

# Scott Masson

## Senior Consultant



**Profession** Environmental Consultant

**Education** MLA, L. Arch, Cape Town, 2008  
BSc (Hons), Environmental Management, Cape Town, 2004  
BSc, Environmental Management, Cape Town, 2003

**Registrations/  
Affiliations** Certified Environmental Assessment Practitioner (South Africa)  
Member of National Association for Clean Air

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### Specialisation

Visual impact assessment, environmental impact assessment, environmental planning and site sensitivity studies.

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### Expertise

Scott has been involved in the environmental and landscape architecture field for the past 9 years. His expertise includes:

- visual impact assessment;
- environmental impact assessment;
- environmental management programmes;
- integrated water and waste management plans;
- environmental audits and due diligence; and
- environmental planning and sensitivity studies.

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### Employment

**2011 – present** SRK Consulting (Pty) Ltd, Environmental Consultant, Cape Town  
**2009 – 2011** Megan Anderson Landscape Architects, Candidate Landscape Architect

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### Languages

English – read, write, speak (Excellent)  
Afrikaans – read, write, speak (Fair)

# Scott Masson

## Senior Consultant

### Publications

1. Masson, S. (2008). Student Design Competition for the Mouille Point Promenade and Beachfront. Landscape Architecture (China) Vol. 2008/03.

I have been interviewed and quoted in numerous environmental and sustainability articles published in the press and sector specific journals. Recent articles include:

1. Red Tape not insurmountable for those looking to help boost water supply. *Bizcommunity*. March 2018.
2. Engineering in the eye of the beholder. *Civil Engineering Contractor*. June 2014, p8.
3. Incorporating visual impact assessments into projects. *Position IT*. June 2014, p54.
4. Engineering in the eye of the beholder. *Cape Business News*. July 2014. Available online: <http://www.cbn.co.za/component/k2/item/2025-engineering-in-the-eye-of-the-beholder>
5. Engineering in the eye of the beholder. *To Build*. July 2014, p44-45.

### Conferences/Workshops

I have attended a number of conferences/workshops including:

1. DEA&DP Workshop on EIA Regulations 2014. 12 December 2014.
2. NACA Air Quality Management Seminar. 5 November 2014.
3. IAIA Western Cape Air Quality Workshop. 23 July 2014.
4. DEA&DP Workshop on EIA Regulations 2010. July 2010.

# Scott Masson

## Senior Consultant

### Key Experience: Environmental impact assessments (EIA)

Location: Koekenaap, Western Cape

Project duration & year: 2019

Client: Tronox Mineral Sands

Name of Project: MSP LNG Plant

Project Description: Basic Assessment and AEL variation for a LNG Plant

Job Title and Duties: Project Manager

Value of Project: R400 000

Location: Cape Town, South Africa

Project duration & year: 2019

Client: Project Assignments

Name of Project: Biogas Beneficiation Facility at Cape Flats Wastewater Treatment Works

Project Description: EIA for Biogas Beneficiation Facility

Job Title and Duties: Project Consultant

Value of Project: R450 000

Location: West Coast, South Africa

Project duration & year: 2019

Client: Eskom

Name of Project: Battery Storage

Project Description: Basic Assessments for grid-scale battery storage at five substations

Job Title and Duties: Project Consultant

Value of Project: R400 000

Location: West Coast, South Africa

Project duration & year: 2018 & 2019

Client: Ricocure (Pty) Ltd

Name of Project: Exploration Rights for Offshore Block 3B and Inshore Block 3B/4B

Project Description: EIAs for Exploration Right Application

Job Title and Duties: Project Manager

Value of Project: R300 000

Location: West Coast, South Africa

Project duration & year: 2018

Client: Sezigyn (Pty) Ltd

Name of Project: Exploration Rights for Offshore Mid Orange Basin and Deep Western Orange Basin

Project Description: EIAs for Exploration Right Applications

Job Title and Duties: Project Manager

Value of Project: R300 000

Location: West Coast, South Africa

Project duration & year: 2017 - 2018

Client: Impact Africa Ltd

Name of Project: Orange Basin Deep Block Seismic Survey

Project Description: EIA for an offshore seismic survey

Job Title and Duties: Project Manager

Value of Project: R500 000

Location: Koekenaap, Western Cape

Project duration & year: 2016

Client: Mineral Sands Resources

Name of Project: Tormin Mine Extension

Project Description: EIA for the proposed extension of Tormin Mine

Job Title and Duties: Joint Project Manager

Value of Project: R2.5 million

# Scott Masson

## Senior Consultant

### Key Experience: Environmental impact assessments (EIA)

Location: Mossel Bay, Western Cape  
 Project duration & year: 2016-2017  
 Client: PetroSA  
 Name of Project: Environmental Assessment of the Proposed E-BK Offshore Development  
 Project Description: EIA for offshore drilling  
 Job Title and Duties: Project Manager  
 Value of Project: R 450 000

Location: West Coast, Western Cape  
 Project duration & year: 2015-2017  
 Client: Eskom  
 Name of Project: Koeberg TISF EIA  
 Project Description: EIA for the proposed TISF at Koeberg  
 Job Title and Duties: Project Consultant: assisting Project Manager with project administration and report writing  
 Value of Project: R1.5 million

Location: West Coast, Western Cape  
 Project duration & year: 2014-2016  
 Client: Matzikama Municipality  
 Name of Project: Doringbaai Aquaculture Farms EIA  
 Project Description: EIA for proposed aquaculture farms at Doringbaai  
 Job Title and Duties: Project Manager  
 Value of Project: R 1.2 million

Location: Liberia  
 Project duration & year: 2014- project on hold  
 Client: West Africa Exploration  
 Name of Project: Liberia Iron Ore Export ESIA  
 Project Description: ESIA for the iron ore export infrastructure (haul road, rail and port) in Liberia  
 Job Title and Duties: Project consultant: assisting Project Manager with report writing.  
 Value of Project: R 2.4 million

Location: West Coast, Western Cape  
 Project duration & year: 2014-2015 (project cancelled)  
 Client: Tronox Namakwa Sands  
 Name of Project: Brand-se-Baai Abalone Farm EIA  
 Project Description: EIA for proposed abalone farm at Brand-se-Baai  
 Job Title and Duties: Project Manager  
 Value of Project: R 1.2 million

Location: Kraaifontein, Western Cape  
 Project duration & year: 2014-2015  
 Client: Eskom  
 Name of Project: Eskom Double Circuit 132kV Powerline and Denova 132/11kV Substation  
 Project Description: Basic Assessment and Water Use Licence Application  
 Job Title and Duties: Project Manager  
 Value of Project: R 300 000

Location: Okiep and Steinkopf, Northern Cape  
 Project duration & year: 2014-2015  
 Client: UWP Consulting Engineers  
 Name of Project: Rehabilitation of the N7 between Okiep and Steinkopf  
 Project Description: Basic Assessment, Stakeholder Engagement and Environmental Management Programme  
 Job Title and Duties: Project Manager  
 Value of Project: R 400 000

# Scott Masson

## Senior Consultant

### Key Experience: Environmental impact assessments (EIA)

Location: City of Cape Town, Overstrand Municipality, Drakenstein Municipality and Theewaterskloof Municipality, Western Cape  
 Project duration & year: 2014  
 Client: Department of Environmental Affairs  
 Name of Project: Various  
 Project Description: Basic Assessments in support of WMLs for 21 Waste Disposal Sites in the Western Cape  
 Job Title and Duties: Project Consultant  
 Value of Project: R 2 million

Location: Cape Town, Western Cape  
 Project duration & year: 2012-2017  
 Client: Airports Company of South Africa  
 Name of Project: CTIA Runway Re-alignment EIA  
 Project Description: EIA for proposed realignment of runway at Cape Town International Airport  
 Job Title and Duties: Project Consultant  
 Value of Project: R 2 million

Location: Saldanha, Western Cape  
 Project duration & year: 2012-2014  
 Client: Rare Metals Industry  
 Name of Project: RMI Specialty Metals Complex  
 Project Description: Scoping Study for a rare metals specialty complex  
 Job Title and Duties: Project Consultant  
 Value of Project: R 250 000

Location: Bonnievale, Western Cape  
 Project duration & year: 2012-2013  
 Client: Langeberg Municipality  
 Name of Project: Stockwell Landfill WML  
 Project Description: BA in support of a WML for the proposed municipal landfill at Stockwell, Bonnievale  
 Job Title and Duties: Project Consultant  
 Value of Project: R 350 000

Location: Stellenbosch, Western Cape  
 Project duration & year: 2012-2014  
 Client: WSP SA Civil and Structural Engineers (Pty) Ltd  
 Name of Project: Rehabilitation of Annandale Road  
 Project Description: Basic Assessment, Stakeholder Engagement and Water Use Licence Application  
 Job Title and Duties: Project Manager  
 Value of Project: R140 000

Location: Matola Port, Maputo, Mozambique  
 Project duration & year: 2012  
 Client: Hatch on behalf of Grindrod Terminals  
 Name of Project: Phase 4 development of TCM, Matola Port  
 Project Description: Environmental Scoping Study and Environmental Impact Assessment  
 Job Title and Duties: Project consultant: assisting Project Manager with project administration and report writing.  
 Value of Project: \$ 400 000

## Scott Masson

### Senior Consultant

#### **Key Experience: Environmental impact assessments (EIA)**

Location: Saldanha and Brand-se-Baai, Western Cape  
 Project duration & year: 2011-2013  
 Client: Exxaro TSA Sands (Pty) Ltd  
 Name of Project: Exxaro Ilmenite Shed and UMM Plant Dryer Basic Assessment  
 Project Description: A BA for a new warehouse storage shed at Namakwa Sands Smelter Plant in Saldanha and a BA for a dryer unit in the UMM Plant at the Namakwa Sands Mine in Brand-se-Baai.  
 Job Title and Duties: Project Manager  
 Value of Project: R400 000

Location: Saldanha, Western Cape  
 Project duration & year: 2011  
 Client: Premier Fishing (Pty) Ltd  
 Name of Project: Re-commissioning of Premier Fishing's Fishmeal Processing Plant at Saldanha  
 Project Description: EIA for proposed re-establishment of fish meal plant in Saldanha Bay  
 Job Title and Duties: Project Consultant  
 Value of Project: R850 000

#### **Key Experience: Environmental planning and management**

Location: Aggeneys, Northern Cape  
 Project duration & year: 2018-2019  
 Client: Black Mountain Mining (Pty) Ltd  
 Name of Project: IWWMP updates for Black Mountain Mine and Gamsberg Mine  
 Project Description: IWWMP Updates  
 Job Title and Duties: Project Manager  
 Value of Project: R 150 000

Location: Lutzville, Western Cape  
 Project duration & year: 2016-2017  
 Client: Tiger Brands  
 Name of Project: Tiger Brands Tomato Paste Plant IWWMP  
 Project Description: IWWMP  
 Job Title and Duties: Project Manager  
 Value of Project: R 110 000

Location: Gamsberg, Northern Cape  
 Project duration & year: 2016-2017  
 Client: Black Mountain Mining (Pty) Ltd  
 Name of Project: Gamsberg Mine EMPr Amendment  
 Project Description: EMPr Amendment  
 Job Title and Duties: Project Manager  
 Value of Project: R 120 000

Location: Velddrif, Western Cape  
 Project duration & year: 2015-2016  
 Client: African Inter-Continental Enterprises (Pty) Ltd  
 Name of Project: Velddrif Desalination Plant  
 Project Description: EA Amendment and EMP  
 Job Title and Duties: Project Manager  
 Value of Project: R 230 000

# Scott Masson

## Senior Consultant

### Key Experience: Environmental planning and management

Location: Cape Town Harbour, Western Cape  
 Project duration & year: 2015-2016  
 Client: Chevron South Africa (Pty) Ltd  
 Name of Project: Chevron CWDP Application  
 Project Description: Coastal Waters Discharge Permit Application for the Upgrade of Tank 25-D1 at Cape Town Harbour  
 Job Title and Duties: Project Manager  
 Value of Project: R 120 000

Location: Langebaan, Saldanha Bay Municipality  
 Project duration & year: 2016  
 Client: Nadeson Consulting Services  
 Name of Project: Noord Street Stormwater Outlet Maintenance Management Plan  
 Project Description: Maintenance Management Plan for a stormwater outlet in Langebaan  
 Job Title and Duties: Project Manager  
 Value of Project: R55 000

Location: Stellenbosch, Western Cape  
 Project duration & year: 2015-2016  
 Client: Nadeson Consulting  
 Name of Project: Bottelary School WUA  
 Project Description: Application for Water Use Authorisation Application for Bottelary Primary School  
 Job Title and Duties: Project Manager  
 Value of Project: R70 000

Location: Kimberley, Northern Cape  
 Project duration & year: 2014-2016  
 Client: De Beers Kimberley Mines  
 Name of Project: De Beers Buffalo Camp  
 Project Description: EMPR Addendum  
 Job Title and Duties: Project Manager  
 Value of Project: R 260 000

Location: Sunset Beach, Cape Town  
 Project duration & year: 2014  
 Client: SAOTA  
 Name of Project: Venus 7, Sunset Beach  
 Project Description: Application for Ad Hoc Development Setback Line Adoption/Delineation  
 Job Title and Duties: Project Manager  
 Value of Project: R12 000

Location: St Helena, Western Cape  
 Project duration & year: 2014-2015  
 Client: Lucky Star  
 Name of Project: St Helena Fishmeal Plant CWDP  
 Project Description: Coastal Waters Discharge Permit Application and PPP  
 Job Title and Duties: Project Manager  
 Value of Project: R 50 000

Location: Kimberley, Northern Cape  
 Project duration & year: 2013-2014  
 Client: De Beers Consolidated Mines  
 Name of Project: EMPR Amendment for Raising of the CTP FRD Wall, Calcrete Borrow Pit, TMR Live Stockpile and Emergency Tailings Facility at Kimberley Mines  
 Project Description: EMPR Amendment  
 Job Title and Duties: Project Manager  
 Value of Project: R 250 000

# Scott Masson

## Senior Consultant

### Key Experience: Environmental planning and management

Location: Brand-se-Baai, Western Cape  
 Project duration & year: 2013-2014  
 Client: Tronox Mineral Sands (Pty) Ltd  
 Name of Project: Namakwa Sands Northern Operations IWWMP  
 Project Description: Integrated Water and Waste Management Plan for the Namakwa Sands Mine and MSP.  
 Job Title and Duties: Project Manager  
 Value of Project: R100 000

Location: Saldanha, Western Cape  
 Project duration & year: 2013  
 Client: Tronox Mineral Sands (Pty) Ltd  
 Name of Project: Namakwa Sands Smelter IWWMP  
 Project Description: Integrated Water and Waste Management Plan for the Namakwa Sands Smelter Plant.  
 Job Title and Duties: Project Manager  
 Value of Project: R100 000

Location: University of Cape Town, Western Cape  
 Project duration & year: 2013-ongoing  
 Client: Planning and Landscape Architecture Department, UCT  
 Name of Project: Landscape Systems and Terrain Analysis Course  
 Project Description: Series of lectures to MLA students  
 Job Title and Duties: Course Convenor and Lecturer  
 Value of Project: n/a

Location: West Coast, Western Cape  
 Project duration & year: 2011-2013  
 Client: West Coast District Municipality (WCDM)  
 Name of Project: WCDM Integrated Coastal Management Programme  
 Project Description: Development of a coastal management programme for the West Coast District.  
 Job Title and Duties: Project Consultant  
 Value of Project: R450 000

Location: Tsantsabane Municipality, Northern Cape  
 Project duration & year: 2013  
 Client: Search Ahead Invest (Pty) Ltd  
 Name of Project: Permit 306 and Boskop EMP  
 Project Description: Environmental management Plan for a Prospecting Right Application of five Portions of Farm Macarthy 559, Northern Cape.  
 Job Title and Duties: Project Manager  
 Value of Project: R100 000

Location: University of Cape Town, Western Cape  
 Project duration & year: 2012  
 Client: Planning and Landscape Architecture Department, UCT  
 Name of Project: Regional Planning Course  
 Project Description: Regional planning Studio assistant  
 Job Title and Duties: Studio Assistant  
 Value of Project: n/a

## Scott Masson

### Senior Consultant

#### **Key Experience: Environmental planning and management**

Location: Brand-se-Baai, Western Cape  
 Project duration & year: 2011-2012  
 Client: Exxaro TSA Sands (Pty) Ltd  
 Name of Project: Disposal of Toliara Sands at Namakwa Sands West Mine  
 Project Description: Assisted Exxaro in determining environmental legal requirements for the disposal of heavy mineral sands at Namakwa Sands West Mine. Included an EMPR Amendment Report.  
 Job Title and Duties: Project Consultant  
 Value of Project: R35 000

Location: Brand-se-Baai, Western Cape  
 Project duration & year: Oct 2011 – Dec 2011  
 Client: Exxaro TSA Sands (Pty) Ltd  
 Name of Project: Namakwa Sands EMPR Amendment Report  
 Project Description: EMPR Amendment Report for the proposed UMM Plant at the Namakwa Sands Mine.  
 Job Title and Duties: Project Consultant  
 Value of Project: R20 000

#### **Key Experience: Environmental auditing and due diligence**

Location: Aggeneys, Northern Cape  
 Project duration & year: 2018-2019  
 Client: Black Mountain Mining (Pty) Ltd  
 Name of Project: BMM Water Use Licence Audits  
 Project Description: Audits of Black Mountain Mine and Gamsberg Mine WULs  
 Job Title and Duties: Project Manager  
 Value of Project: R 120 000

Location: Saldanha, Western Cape  
 Project duration & year: 2018  
 Client: Easigas (Pty) Ltd  
 Name of Project: Environmental Due Diligence of Avedia LPG Import Terminal  
 Project Description: Environmental Due Diligence  
 Job Title and Duties: Project Manager  
 Value of Project: R 90 000

Location: Soyo, Angola  
 Project duration & year: 2017  
 Client: AES  
 Name of Project: AES OEL Audit  
 Project Description: Audit of the Soyo Landfill Environmental Operations Licence  
 Job Title and Duties: Project Manager  
 Value of Project: Euros 10 000

Location: Luanda, Angola  
 Project duration & year: 2017  
 Client: AES  
 Name of Project: AES OEL Audit  
 Project Description: Audit of the Total Waste Management Facility Environmental Operations Licence  
 Job Title and Duties: Project Manager  
 Value of Project: Euros 12 000

# Scott Masson

## Senior Consultant

### Key Experience: Environmental auditing and due diligence

Location: West Coast, Western Cape  
 Project duration & year: 2014 and 2016  
 Client: Tronox Namakwa Sands  
 Name of Project: EMP Performance Assessment Audit  
 Project Description: Assessment of Namakwa Sands' Northern Operations performance against commitments in EMP  
 Job Title and Duties: Project Consultant  
 Value of Project: R180 000

Location: West Coast, Western Cape  
 Project duration & year: 2014 and 2015  
 Client: Tronox Namakwa Sands  
 Name of Project: Water Use Licence Audit  
 Project Description: Assessment of Namakwa Sands' performance against commitments in licences for the Mine, MSP and Smelter  
 Job Title and Duties: Project Consultant  
 Value of Project: R160 000/year

### Key Experience: Air quality

Location: Brand-se-Baai, Western Cape  
 Project duration & year: 2019  
 Client: Tronox Mineral Sands  
 Name of Project: UMM Plant AEL Variation  
 Project Description: Variation of the UMM Plant AEL for a LNG Plant  
 Job Title and Duties: Project Manager  
 Value of Project: R200 000

Location: Koekenaap, Western Cape  
 Project duration & year: 2018  
 Client: Tronox Mineral Sands  
 Name of Project: MSP AEL Renewal  
 Project Description: Renewal of the Atmospheric Emissions Licence for the Namakwa Sands MSP  
 Job Title and Duties: Project Manager  
 Value of Project: R200 000

Location: Brand-se-Baai, Western Cape  
 Project duration & year: 2018  
 Client: Tronox Mineral Sands  
 Name of Project: UMM Plant AEL Renewal  
 Project Description: Renewal of the Provisional Atmospheric Emissions Licence for the Namakwa Sands UMM Plant  
 Job Title and Duties: Project Manager  
 Value of Project: R200 000

Location: Saldanha, Western Cape  
 Project duration & year: 2018  
 Client: Tronox Mineral Sands  
 Name of Project: Smelter AEL Renewal and Variation  
 Project Description: Renewal and variation of the Atmospheric Emissions Licence for the Namakwa Sands Smelter Plant  
 Job Title and Duties: Project Manager  
 Value of Project: R300 000

## Scott Masson

### Senior Consultant

#### **Key Experience: Air quality**

Location: Koekenaap, Western Cape  
 Project duration & year: 2015-2016  
 Client: Tronox Namakwa Sands  
 Name of Project: MSP AEL  
 Project Description: Application for an Atmospheric Emission Licence for the Mineral Separation Plant  
 Job Title and Duties: Project Manager  
 Value of Project: R112 000

Location: Koekenaap, Western Cape  
 Project duration & year: 2014-2015  
 Client: Tronox Namakwa Sands  
 Name of Project: Postponement Application from MES for MSP  
 Project Description: Application for Postponement of Timeframes relating to Minimum Emission Standards for the MSP  
 Job Title and Duties: Project Consultant  
 Value of Project: R250 000

Location: Cape Town, Western Cape  
 Project duration & year: 2014-2015  
 Client: Chevron  
 Name of Project: Postponement Application from MES for Chevron Refinery  
 Project Description: Application for Postponement of Timeframes relating to Minimum Emission Standards for the Chevron Refinery  
 Job Title and Duties: Stakeholder Engagement  
 Value of Project: R750 000

Location: St Helena, Western Cape  
 Project duration & year: 2013  
 Client: Lucky Star  
 Name of Project: Luck Star AEL Renewal PP  
 Project Description: Public Participation for the Renewal of the Atmospheric Emission Licence for the Lucky Star Fishmeal Plant in St Helena  
 Job Title and Duties: Project Consultant  
 Value of Project: R30 000

Location: Saldanha, Western Cape  
 Project duration & year: 2012  
 Client: Tronox Mineral Sands  
 Name of Project: Smelter AEL Renewal  
 Project Description: Renewal of the Atmospheric Emissions Licence for the Namakwa Sands Smelter Plant  
 Job Title and Duties: Project Manager  
 Value of Project: R150 000

#### **Key Experience: Visual impact assessment (VIA)**

Location: Molteno, Eastern Cape  
 Project duration & year: 2019-  
 Client: SRK Port Elizabeth  
 Name of Project: Molteno Wind Energy Facility  
 Project Description: VIA for the Molteno WEF  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study and impact assessment  
 Value of Project: R140 000

# Scott Masson

## Senior Consultant

### Key Experience: Visual impact assessment (VIA)

Location: Emalahleni, Mpumalanga  
 Project duration & year: 2019-  
 Client: Anglo American Platinum  
 Name of Project: SACE Lifex Extension  
 Project Description: Visual inputs for Pre-Feasibility Study for the expansion of SACE Lifex Coal Mine  
 Job Title and Duties: Project Consultant  
 Value of Project: R90 000

Location: Limpopo, South Africa  
 Project duration & year: 2018-2019  
 Client: Anglo American Platinum  
 Name of Project: Der Brochen Expansion Project  
 Project Description: VIA for the Der Brochen Expansion Project  
 Job Title and Duties: Project Consultant  
 Value of Project: R30 000

Location: Cape Town, Western Cape  
 Project duration & year: 2018-2019  
 Client: Stonehill Property Fund Ltd  
 Name of Project: Lions Hill Estate  
 Project Description: VIA for the proposed Lions Hill estate  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study and impact assessment  
 Value of Project: R70 000

Location: South Africa  
 Project duration & year: 2018  
 Client: Sivest  
 Name of Project: VIA Review  
 Project Description: Independent review of (various) Visual Impact Assessments  
 Job Title and Duties: Independent Reviewer  
 Value of Project: R8000 per VIA

Location: South Africa  
 Project duration & year: 2018  
 Client: CSIR  
 Name of Project: Strategic Environmental Assessment (SEA) for Electrical Grid Infrastructure  
 Project Description: Expert review of the Visual Resources Chapter of the SEA  
 Job Title and Duties: External Reviewer  
 Value of Project: n/a

Location: South Africa  
 Project duration & year: 2017  
 Client: CSIR  
 Name of Project: Strategic Environmental Assessment (SEA) for Aquaculture  
 Project Description: Expert review of the Visual Resources Chapter of the SEA  
 Job Title and Duties: External Reviewer  
 Value of Project: n/a

Location: Ceres, Western Cape  
 Project duration & year: 2017  
 Client: Eskom  
 Name of Project: VIA for Romansrivier – Ceres Powerline  
 Project Description: VIA for the proposed 66/132 kV powerline  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study and impact assessment  
 Value of Project: R70 000

## Scott Masson

### Senior Consultant

#### **Key Experience: Visual impact assessment (VIA)**

Location: Koekenaap, Western Cape  
 Project duration & year: 2016-2017  
 Client: Mineral Sands Resources  
 Name of Project: VIA for Tormin Mine Extension  
 Project Description: VIA for the proposed extension of Tormin Mine  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study and impact assessment  
 Value of Project: R100 000

Location: Ghana  
 Project duration & year: 2016-2017  
 Client: CSIR  
 Name of Project: Wind Energy Facilities in Greater Accra District  
 Project Description: VIA for the construction of two wind energy facilities in the Greater Accra District, Ghana  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study and impact assessment  
 Value of Project: R100 000

Location: Brand-se-Baai, Western Cape  
 Project duration & year: 2016  
 Client: Tronox Namakwa Sands  
 Name of Project: Slimes Dam 6 VIA  
 Project Description: VIA for the construction of Slimes Dam 6 and associated infrastructure at the Tronox Namakwa Sands West Mine  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study and impact assessment  
 Value of Project: R30 000

Location: Saldanha, Western Cape  
 Project duration & year: 2016  
 Client: Department of Agriculture, Forestry and Fisheries  
 Name of Project: Saldanha Bay Aquaculture Development Zone VIA  
 Project Description: VIA for the development of a aquaculture development zone in Saldanha Bay  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study and impact assessment  
 Value of Project: R50 000

Location: Ceres, Western Cape  
 Project duration & year: 2016  
 Client: Eskom  
 Name of Project: VIA for Bon Chretien – Merino Powerline  
 Project Description: VIA for the proposed 132 kV powerline  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study and impact assessment  
 Value of Project: R60 000

Location: Saldanha, Western Cape  
 Project duration & year: 2015 - 2016  
 Client: Transnet Capital Projects  
 Name of Project: Port of Saldanha Bulk Power Infrastructure VIA  
 Project Description: VIA for the construction of additional substations, transmission infrastructures and area lighting masts near the Port of Saldanha  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study and impact assessment  
 Value of Project: R40 000

# Scott Masson

## Senior Consultant

### Key Experience: Visual impact assessment (VIA)

Location: Hermanus, Western Cape  
 Project duration & year: 2015-2017  
 Client: EFG Engineers  
 Name of Project: Hermanus Bypass VIA  
 Project Description: VIA for a the proposed bypass road in Hermanus  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study and impact assessment  
 Value of Project: R49 000

Location: Cape Town, Western Cape  
 Project duration & year: 2015-2017  
 Client: Liesbeek Leisure Club (Pty) Ltd  
 Name of Project: River Club Redevelopment VIA  
 Project Description: VIA for a the proposed redevelopment of the River Club  
 Job Title and Duties: Visual Specialist: opportunities and constraints, mapping, sensitivity study, and impact assessment  
 Value of Project: R55 000

Location: West Coast, Western Cape  
 Project duration & year: 2015-2016  
 Client: Eskom  
 Name of Project: Koeberg TISF VIA  
 Project Description: VIA for the proposed TISF at Koeberg  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study, impact assessment and modelling  
 Value of Project: R42 000

Location: Brand-se-Baai, Western Cape  
 Project duration & year: 2012-2013  
 Client: Tronox Mineral Sands  
 Name of Project: Namakwa Sands VIA  
 Project Description: VIA for the proposed expansion of the Namakwa Sands Mine  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study, impact assessment and modelling  
 Value of Project: R46 000

Location: Mozambique  
 Client: SRK Consulting/Vale  
 Project duration & year: 2011-2012  
 Name of Project: Evate Phosphate Mine VIA  
 Project Description: VIA for a proposed phosphate mine in Mozambique.  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study, impact assessment and modelling.  
 Value of Project: R100 000

Location: Paarl, Western Cape  
 Project duration & year: 2011  
 Client: Courtrai Developments  
 Name of Project: Montana Retirement Village VIA  
 Project Description: VIA for a proposed retirement village in Paarl  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study, impact assessment and modelling  
 Value of Project: R35 000

## Scott Masson

### Senior Consultant

#### **Key Experience: Visual impact assessment (VIA)**

Location: Swellendam, Mossel Bay, Heidelberg and Albertinia, Western Cape.  
 Project duration & year: 2010, 1 year  
 Client: CSIR Environmental  
 Name of Project: Proposal for Wind Energy Facilities  
 Project Description: VIA for an EIA proposal for four wind energy facilities.  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study, impact assessment and modeling.  
 Value of Project: R60 000

Location: Jacobsbaai, Western Cape  
 Project duration & year: 2010, 4 months  
 Client: CSIR Environmental  
 Name of Project: Jacobsbaai Tortoise Reserve  
 Project Description: VIA for a proposed eco-residential estate and nature reserve.  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study, impact assessment and modeling  
 Value of Project: R25 000

Location: Hermanus, Klipdale and Villiersdorp, Western Cape.  
 Project duration & year: 2009, 6 months  
 Client: Vodacom  
 Name of Project: Proposed Cell Phone Mast: Hermanus, Klipdale & Graymead.  
 Project Description: VIA for a proposed cell phone mast at Hermanus golf course, on Graymead farm near Villiersdorp and on a farm in Klipdale.  
 Job Title and Duties: Visual Specialist: mapping, sensitivity study, impact assessment and modeling.  
 Value of Project: R30 000

#### **Key Experience: Environmental control officer work**

Location: Cape Town, Western Cape  
 Project duration & year: 2014-  
 Client: Project Assignments and Water and Wastewater Engineering  
 Name of Project: Various  
 Project Description: Environmental specification and control officer services for upgrades at various wastewater treatment works throughout Cape Town  
 Job Title and Duties: Project Manager / Project Reviewer  
 Value of Project: n/a

Location: Worcester, Western Cape  
 Project duration & year: 2013-2014  
 Client: Worcester Land Trust  
 Name of Project: Worcester Island Development and Worcester Hills Development Ph2  
 Project Description: Construction of internal roads and services for a commercial development.  
 Job Title and Duties: EMP and ECO.  
 Value of Project: R75 000

Location: Worcester, Western Cape  
 Project duration & year: 2011  
 Client: Worcester Land Trust  
 Name of Project: Worcester Hills  
 Project Description: Construction of internal roads and services for a commercial development  
 Job Title and Duties: Environmental Control Officer: Environmental monitoring of compliance with EMP during construction.  
 Value of Project: R70 000

## Scott Masson

### Senior Consultant

#### **Key Experience: Environmental control officer work**

Location: Pniel, Helshoogte Pass, Western Cape  
 Project duration & year: 2009 – 2011  
 Client: Provincial Government of the Western Cape: Roads  
 Name of Project: Rehabilitation and Upgrade of MR172  
 Project Description: Upgrade of the MR172 between Helshoogte Pass and R45 intersection including tree planting, cycle ways, and rejuvenation of public open spaces.  
 Job Title and Duties: Environmental Control Officer: Environmental monitoring of compliance with EMP during construction.  
 Value of Project: R60 000

Location: Cape Point, Table Mountain National Park, Western Cape  
 Project duration & year: 2010  
 Client: Concor  
 Name of Project: Funicular Upgrade  
 Project Description: Upgrade of the Cape Point funicular car and track.  
 Job Title and Duties: Environmental Management Plan and Environmental Control Officer.  
 Value of Project: R20 000

#### **Key Experience: Landscape design and urban planning**

Location: Worcester, Western Cape  
 Project duration & year: 2010, 10 months  
 Client: Cape Winelands District Municipality  
 Name of Project: Worcester Greater CBD Transport Plan  
 Project Description: Development of a transport plan for Worcester incorporating freight, public transport, parking and non-motorised transport  
 Job Title and Duties: Landscape Architecture and Urban Design: stakeholder consultation, site analysis, urban design guidelines  
 Value of Project: R100 000

Location: Rondebosch Common, Western Cape  
 Project duration & year: 2009  
 Client: City of Cape Town  
 Name of Project: Non-motorised Transport  
 Project Description: Investigation into the provision of non-motorised transport infrastructure on Rondebosch Common  
 Job Title and Duties: Landscape Architecture: Investigation and consideration of potential environmental and heritage impacts, design development, stakeholder communication  
 Value of Project: n/a

Location: Khayelitsha, Lentegeur, Philippi, Nomzamo and Mfuleni, Western Cape  
 Project duration & year: 2008  
 Client: City of Cape Town  
 Name of Project: Quality Public Spaces Region 3  
 Project Description: Upgrade and rejuvenation of public urban spaces  
 Job Title and Duties: Landscape Architecture: Project management, design development, stakeholder consultation, project and contract implementation  
 Value of Project: n/a

**Amy Hill**  
**Environmental Consultant**



<b>Profession</b>	Environmental Consultant
<b>Education</b>	BSc Hons (Biodiversity and Ecology), with distinction, University of Stellenbosch, 2012 BSc (Biodiversity and Ecology), University of Stellenbosch, 2011
<b>Registrations/ Affiliations</b>	N/A

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**Specialisation** Environmental impact assessments, environmental control officer, environmental management plans and biodiversity and ecology

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**Expertise** Amy has 4 years of experience in the biodiversity and ecology sector and, more recently, in environmental management. Her expertise includes:

- environmental impact assessments;
- water use authorisation applications;
- environmental management programmes;
- environmental control officer; and
- stakeholder engagement.

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**Employment**

<b>2016 – present</b>	SRK Consulting (Pty) Ltd, Environmental Consultant, Cape Town
<b>2014 – 2015</b>	Groupon South Africa, Partner Relationship Manager, Cape Town

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**Publications** Individual recognition in a wild cooperative mammal using contact calls. Animal Behaviour (2013)

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**Languages** English – read, write, speak (Fluent)  
Afrikaans – read, write, speak (Fluent)

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# Amy Hill

## Environmental Consultant

### Publications

1. Sharpe, L.L., Hill, A. & Cherry M.I. 2013. *Individual recognition in a wild cooperative mammal using contact calls*. *Animal Behaviour*, 86, 893 – 900

# Amy Hill

## Environmental Consultant

### **Key Experience: Environment impact assessments (EIA)**

Location: Aggeneys, Northern Cape  
 Project duration & year: 2018 - recent  
 Client: Black Mountain Mining  
 Name of Project: Swartberg Haul Road BA  
 Project Description: BA and WUA for proposed haul road at Black Mountain Mine  
 Job Title and Duties: Project Consultant  
 Value of Project: R220 000

Location: Wellington, Western Cape  
 Project duration & year: 2018 - ongoing  
 Client: Rheinmetall Denel Munition  
 Name of Project: New Multi-Purpose Nitration Plant and Associated Infrastructure  
 Project Description: EIA the Multi-Purpose Nitration Plant and Associated Infrastructure  
 Job Title and Duties: Project Consultant  
 Value of Project: R 400 000

Location: Cape Town, Western Cape  
 Project duration & year: 2018  
 Client: Chevron South Africa (Pty) Ltd  
 Name of Project: Additional Storage Infrastructure for Hazardous Substances  
 Project Description: BA for Propane and Oxygen storage tanks at the Chevron Refinery  
 Job Title and Duties: Project Consultant  
 Value of Project: R180 000

Location: Cape Town, Western Cape  
 Project duration & year: February 2017 – ongoing  
 Client: City of Cape Town  
 Name of Project: Vissershok North Landfill WML  
 Project Description: EIA in support of a Waste Management Licence application for the operation of the Vissershok North Landfill  
 Job Title and Duties: Project Consultant  
 Value of Project: R650 000

Location: Ceres, Western Cape  
 Project duration & year: 2016 – ongoing  
 Client: Eskom  
 Name of Project: Romansrivier – Ceres Double Circuit Powerline  
 Project Description: BA for Romansrivier – Ceres Double Circuit Powerline  
 Job Title and Duties: Project Manager  
 Value of Project: R 650 000

Location: Stellenbosch, Western Cape  
 Project duration & year: 2016 - Ongoing  
 Client: Livery Winery  
 Name of Project: Vergenoegd Wine Estate upgrades  
 Project Description: EIA and related applications for upgrades to Vergenoegd Wine Estate  
 Job Title and Duties: Project manager  
 Value of Project: R 150 000

# Amy Hill

## Environmental Consultant

### **Key Experience: Environment impact assessments (EIA)**

Location: Cape Town, South Africa  
 Project duration & year: 2016 - ongoing  
 Client: Eskom  
 Name of Project: Eskom oil regeneration facility  
 Project Description: BA for oil regeneration facility  
 Job Title and Duties: Project Consultant  
 Value of Project: R200 000

Location: Brand se Baai  
 Project duration & year: 2015 – Ongoing  
 Client: Tronox Mineral Sands (Pty) Ltd  
 Name of Project: West Mine Slimes Dam 6  
 Project Description: Environmental Impact Assessment (EIA) for new slimes dam  
 Job Title and Duties: Project consultant  
 Value of Project: R900 000

Location: Observatory, Western Cape  
 Project duration & year: 2015 – ongoing  
 Client: The River Club  
 Name of Project: Redevelopment of the River Club Property  
 Project Description: EIA for redevelopment  
 Job Title and Duties: Project consultant  
 Value of Project: R500 000

Location: Saldanha Bay, Western Cape  
 Project duration & year: 2015 – ongoing  
 Client: Nadeson Consulting Services  
 Name of Project: Middelpoos Stormwater Infrastructure  
 Project Description: EIA for stormwater detention facilities and associated infrastructure  
 Job Title and Duties: Project consultant  
 Value of Project: R120 000

Location: West Coast, Western Cape  
 Project duration & year: 2014 - Ongoing  
 Client: Matzikama Municipality  
 Name of Project: Doringbaai Aquaculture Farms EIA  
 Project Description: EIA for proposed aquaculture farms at Doringbaai  
 Job Title and Duties: Project Consultant  
 Value of Project: R 1.2 million

Location: South Africa  
 Project duration & year: January 2015 – August 2016  
 Client: Lucky Star  
 Name of Project: Section 24G Application  
 Project Description: Section 24G Application and Environmental Impact Assessment to apply for rectification of an unlawful activity  
 Job Title and Duties: Project consultant  
 Value of Project: R330 000

## Amy Hill

### Environmental Consultant

#### **Key Experience: Environmental management programme (EMPr)**

Location: Vanrhynsdorp, Western Cape  
 Project duration & year: 2016 – ongoing  
 Client: Saint-Gobain Gyproc (Pty) Ltd  
 Name of Project: Maskam Mine EMP  
 Project Description: EMP for Maskam Gypsum Mine  
 Job Title and Duties: Project consultant  
 Value of Project: R 100 000

Location: Vredenburg, Western Cape  
 Project duration & year: November 2015 - Ongoing  
 Client: Planning Partners (Pty) Ltd  
 Name of Project: Provision of Serviced Sites at George Kerridge, Vredenburg  
 Project Description: EMP for the provision of serviced sites and associated infrastructure in Vredenburg  
 Job Title and Duties: Project Consultant  
 Value of Project: R140 000

#### **Key Experience: Atmospheric emission licenses**

Location: Milnerton, Cape Town  
 Project duration & year: 2018 – ongoing  
 Client: Chevron  
 Project Description: Public Participation Process for AEL Renewal and Variation  
 Job Title and Duties: Project Consultant  
 Value of Project: R 30 000

Location: Port of Saldanha, Western Cape  
 Project duration & year: 2016 - ongoing  
 Client: Transnet Port Terminals  
 Name of Project: Amendment to Atmospheric Emission Licence: Port of Saldanha  
 Project Description: Basic Assessment for amendments to the Atmospheric Emissions Licence for the iron ore terminal, Port of Saldanha  
 Job Title and Duties: Project consultant  
 Value of Project: R 250 000

Location: Koekenaap, Western Cape  
 Project duration & year: 2015 - Ongoing  
 Client: Tronox Namakwa Sands  
 Name of Project: MSP AEL  
 Project Description: Application for an Atmospheric Emission Licence for the Mineral Separation Plant  
 Job Title and Duties: Project Consultant  
 Value of Project: R112 000

# Amy Hill

## Environmental Consultant

### Key Experience: Environmental control officer

Location: Tamboerskloof, Cape Town  
 Project duration & year: 2018 - ongoing  
 Client: Lions Hill Development Company  
 Name of Project: Lions Hill Development  
 Project Description: ECO services for site clearance activities  
 Job Title and Duties: ECO  
 Value of Project: R 47 000

Location: Bellville and Greenpoint, Cape Town  
 Project duration & year: 2017-ongoing  
 Client: Project Assignments  
 Name of Project: CoCT WWTW ECO Work  
 Project Description: ECO for Upgrade of Odour Control facilities at Bellville and Greenpoint WWTW  
 Job Title and Duties: Project Manager  
 Value of Project: R 34 000

Location: Bellville, Cape Town  
 Project duration & year: 2017 – ongoing  
 Client: Water & Wastewater Engineering  
 Name of Project: CoCT WWTW ECO Work  
 Project Description: ECO for the Construction of New PST's at Bellville WWTW  
 Job Title and Duties: Project Consultant  
 Value of Project: R 38 000

Location: Borchards Quarry, Western Cape  
 Project duration & year: 2016 – ongoing  
 Client: Water & Wastewater Engineering  
 Name of Project: Biological Reactor at Borchards Quarry WWTW  
 Project Description: ECO for the Refurbishment of a Biological Reactor at Borchards Quarry CoCT WWTW  
 Job Title and Duties: Project manager  
 Value of Project: R 40 000

Location: Cape Flats, Western Cape  
 Project duration & year: 2016 – ongoing  
 Client: Project Assignments  
 Name of Project: Dewatering Facility at Cape Flats WWTW  
 Project Description: ECO for Dewatering Facility at Cape Flats CoCT WWTW  
 Job Title and Duties: Project manager  
 Value of Project: R40 000

Location: Cape Town, Western Cape  
 Project duration & year: 2016 – ongoing  
 Client: Infrastructure Consulting Engineers  
 Name of Project: Sable Road ECO  
 Project Description: ECO for Sable Road Service Station  
 Job Title and Duties: Project manager  
 Value of Project: R150 000

## Amy Hill

### Environmental Consultant

#### **Key Experience: Environmental control officer**

Location: Cape Town, Western Cape  
 Project duration & year: 2015 - Ongoing  
 Client: Project Assignments and Water and Wastewater Engineering  
 Name of Project: WWTW Aeration Blowers and Primary/Secondary Settlement Tanks  
 Project Description: Upgrade or Installation of Aeration Blowers and PST/SST at Various WWTWs for City of Cape Town  
 Job Title and Duties: Project Consultant  
 Value of Project: R300 000

Location: Cape Town, Western Cape  
 Project duration & year: 2015-ongoing  
 Client: Project Assignments  
 Name of Project: CoCT WWTW Odour Control ECO  
 Project Description: ECO for Upgrade of Odour Control facilities at 3 CoCT WWTW's  
 Job Title and Duties: Project manager  
 Value of Project: R 30 000

#### **Key Experience: Water use authorisations**

Location: Foreshore, Cape Town  
 Project duration & year: 2018 – ongoing  
 Client: Oceana  
 Name of Project: Oceana House WULA  
 Project Description: Water Use Authorisation for Groundwater Abstraction at Oceana House  
 Job Title and Duties: Project Manager  
 Value of Project: R 86 000

Location: Cape Town  
 Project duration & year: 2018 - ongoing  
 Client: CCS Logistics  
 Name of Project: CCS WULA  
 Project Description: Water Use Authorisation for Groundwater Abstraction at Epping and Paarden Eiland facilities  
 Job Title and Duties: Project Manager  
 Value of Project: R 110 000

Location: Faure, Cape Town  
 Project duration & year: 2017 – ongoing  
 Client: Livia Winery  
 Name of Project: Vergenoegd Wine Estate GA  
 Project Description: General Authorisation for the proposed package plant at Vergenoegd Wine Estate  
 Job Title and Duties: Project Manager  
 Value of Project: R 58 000

Location: Langebaan  
 Project duration & year: 2016 – ongoing  
 Client: Nadeson Consulting Services  
 Name of Project: Oostewal Street GA  
 Project Description: Water Use Authorisation Application for the Irrigation of Treated Effluent along Oostewal Street  
 Job Title and Duties: Project Manager  
 Value of Project: R 36 105

## Amy Hill

### Environmental Consultant

#### **Key Experience: Water use authorisations**

Project duration & year: 2016 – ongoing  
 Client: Anganna Investments 171 (Pty) Ltd  
 Name of Project: Atlantic Salmon WUA  
 Project Description: WUA for the proposed development of a crop and land based fish farm near Dwarsbos  
 Job Title and Duties: Project manager  
 Value of Project: R55 000

Location: Observatory, Western Cape  
 Project duration & year: 2015 – ongoing  
 Client: The River Club  
 Name of Project: Redevelopment of the River Club Property  
 Project Description: WUA for the proposed redevelopment of the River Club  
 Job Title and Duties: Project consultant  
 Value of Project: R 50 000

Location: Hermanus, Western Cape  
 Project duration & year: 2014 – ongoing  
 Client: Provincial Government Western Cape  
 Name of Project: Hermanus Bypass WULA  
 Project Description: WULA for the construction of a bypass in Hermanus  
 Job Title and Duties: Project Consultant  
 Value of Project: N/A

#### **Key Experience: Other environmental projects (EMF, SoER, ECO)**

Location: Cape Town  
 Project duration & year: 2018 - ongoing  
 Client: CCS Logistics  
 Name of Project: CCS Brine Pond 24G  
 Project Description: CCS Brine Pond 24G  
 Job Title and Duties: Project Manager  
 Value of Project: R 68 000

Location: Saldanha Bay  
 Project duration & year: 2016 – ongoing  
 Client: Transnet Port Terminals  
 Name of Project: Brine Pond S24G Process  
 Project Description: Brine Pond S24G Process  
 Job Title and Duties: Project Consultant  
 Value of Project: R 175 000

Location: Cape Town, South Africa  
 Project duration & year: February 2016 – ongoing  
 Client: Premier Fishing  
 Name of Project: Investigation of legal requirements for Hout Bay Lobster Facility  
 Project Description: Investigation of legal requirements for Premier Fishing's Hout Bay Lobster Facility, particularly with regards to effluent discharge and management of effluent monitoring programme  
 Job Title and Duties: Project consultant  
 Value of Project: R100 000

# Jessica du Toit

## Environmental Scientist



<b>Profession</b>	Environmental Scientist
<b>Education</b>	MPhil (Environmental Management), University of Stellenbosch, 2016 BSc (Conservation Ecology), University of Stellenbosch, 2013
<b>Registrations/ Affiliations</b>	Not applicable
<b>Awards</b>	Not applicable

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**Specialisation** Environmental impact assessment, environmental control officer, environmental management plans, public participation process, water use licence applications.

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**Expertise** Jessica du Toit has been involved in environmental management for the past five years and has worked on a broad range of projects. Her expertise includes:

- coordinating EIA processes across a range of sectors;
- Visual impact assessment;
- compilation of construction and operational phase EMPs for projects;
- auditing compliance with EMPs on a number of sites;
- coordinating stakeholder engagement processes;
- managing Water Use Licence Applications.

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### Employment

<b>2015 – present</b>	SRK Consulting, Environmental Department, Environmental Scientist, Cape Town
<b>2014 – 2015</b>	Withers Environmental Consulting, Environmental Consultant Intern, Stellenbosch

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**Languages** English – read, write, speak  
Afrikaans– read, write, speak

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# Jessica du Toit

## Environmental Scientist

### Publications and Journal Articles

1. Clearing environmental hurdles in marine infrastructure. *Civil Engineering*. October 2018, 23-26.
2. Cooper TJG, du Toit J, Steenkamp E, Pryke JS and Roets F (2016). Historical arthropod diversity patterns direct rehabilitation targets for Robben Island, South Africa, a continental island in a biodiversity hotspot. *African Journal of Ecology*.

## Jessica du Toit

### Environmental Scientist

#### Key Experience:

#### Environmental impact assessment

Location: West Coast, South Africa  
 Project duration & year: 2019 - ongoing  
 Client: Eskom  
 Name of Project: Battery Storage  
 Project Description: Basic Assessments for grid-scale battery storage at five substations  
 Job Title and Duties: Project Manager  
 Value of Project: R400 000

Location: Middelpos, Saldanha Bay, Western Cape  
 Project duration & year: 2019 - ongoing  
 Client: Nadeson Consulting Engineers  
 Name of Project: Middelpos Stormwater Upgrades BA  
 Project Description: Proposed stormwater upgrades in Middelpos, Saldanha Bay  
 Job Title and Duties: Project Manager  
 Value of Project: R250 000

Location: Hex River Valley, Western Cape  
 Project duration & year: 2017 - ongoing  
 Client: Eskom  
 Name of Project: Hex-Sandhills and Hugo-Osplaas Powerlines  
 Project Description: Proposed rebuild of the 66 kV Eskom Powerline between the Hugo and Osplaas Substations and Hex and Sandhills Substations  
 Job Title and Duties: Project Manager  
 Value of Project: R600 000

Location: Western Cape  
 Project duration & year: 2016 - ongoing  
 Client: Coega Development Corporation (on behalf of NDPW)  
 Name of Project: Western Cape Fishing Harbour Maintenance and Repairs  
 Project Description: EIA for maintenance and repair works at six fishing harbours  
 Job Title and Duties: Environmental Consultant  
 Value of Project: R 150 000

Location: Atlantis, Western Cape  
 Project duration & year: 2016 – ongoing  
 Client: City of Cape Town  
 Name of Project: Basic Assessment for the proposed Atlantis Horse Stables  
 Project Description: Basic Assessment and Environmental Management plan for the construction and operation of horse stables in Atlantis  
 Job Title and Duties: Project Manager  
 Value of Project: R 70 000

Location: Mossel Bay  
 Project duration & year: 2016 - ongoing  
 Client: Easigas  
 Name of Project: Easigas Mossel Bay Depot  
 Project Description: EIA for LPG storage facility and associated offshore pipeline  
 Job Title and Duties: Environmental Consultant  
 Value of Project: R580 000

Location: Saldanha Bay, Western Cape  
 Project duration & year: April 2016 – ongoing  
 Client: Department of Agriculture, Forestry and Fisheries

## Jessica du Toit

### Environmental Scientist

Name of Project:	Saldanha Bay Aquaculture Development Zone EIA
Project Description:	Project Definition and Basic Assessment for a proposed Aquaculture Development Zone in Saldanha Bay as part of Operation Phakisa
Job Title and Duties:	Environmental Consultant
Value of Project:	R1 000 000
Location:	Ceres, Western Cape
Project duration & year:	2016 - ongoing
Client:	Eskom
Name of Project:	Bon Chretien – Merino Powerline
Project Description:	Basic Assessment for the construction of a powerline between the existing Bon Chretien substation in Ceres and the new Merino substation
Job Title and Duties:	Project Manager
Value of Project:	R400 000
Location:	Saldanha, Western Cape
Project duration & year:	October 2015 – ongoing
Client:	Transnet Capital Projects
Name of Project:	Port of Saldanha Bulk Power Infrastructure EIA
Project Description:	Basic Assessment for the construction of additional substations, transmission infrastructures and area lighting masts near the Port of Saldanha
Job Title and Duties:	Environmental Consultant
Value of Project:	R360 000
Location:	Hermanus, Western Cape
Project duration & year:	September 2014 – ongoing
Client:	Provincial Government Western Cape
Name of Project:	Hermanus Central Business District Bypass EIA
Project Description:	EIA for the construction of a bypass in Hermanus, including an EMP and Water Use Authorisation (WUA)
Job Title and Duties:	Environmental Consultant
Value of Project:	R1.3 million
Location:	City of Cape Town
Project duration & year:	2015
Client:	Hatch Goba
Name of Project:	Slent Road Upgrade
Project Description:	Updating of approved EMP
Job Title and Duties:	Environmental Consultant
Value of Project:	R200 000
Location:	Yzerfontein, Western Cape
Project duration & year:	December 2014 - June 2015
Client:	Yzerfontein Sixteen Mile Beach (Pty) Ltd.
Name of Project:	Proposed Sixteen Mile Beach Coastal Estate
Project Description:	Sixteen Mile Beach Coastal Estate and Associated Package Sewage Treatment Plant
Job Title and Duties:	Compilation of Basic Assessment Report, EMP and Water Use Authorisation (WUA)
Value of Project:	R190 000
Location:	Hawston, Western Cape
Project duration & year:	August 2014 - June 2015
Client:	Motlekar Overstrand
Name of Project:	Hawston East and Hawston West Low Cost Housing Project
Project Description:	Basic Assessment Process

## Jessica du Toit

### Environmental Scientist

Job Title and Duties: Compilation of the Basic Assessment Report and the EMP  
 Value of Project: R140 000

Location: Gansbaai, Western Cape  
 Project duration & year: January 2015-May 2015  
 Client: Motlekar Overstrand  
 Name of Project: Gansbaai – Blompark Low Cost Housing Project  
 Project Description: Basic Assessment of the Proposed Gansbaai – Blompark Low Cost Housing Project

Job Title and Duties: Environmental Consultant  
 Value of Project: R140 000

#### Key Experience: Strategic environmental planning

Location: Western Cape Province, South Africa  
 Project duration & year: 2016 – 2017  
 Client: Western Cape State of Environmental Report Update  
 Name of Project: Provincial Government Western Cape  
 Project Description: Environmental report  
 Job Title and Duties: Stakeholder engagement  
 Value of Project: ZAR 1.7 million

#### Key Experience: Environmental Management Programme (EMPr)

Location: Gordon's Bay, Western Cape  
 Project duration & year: September 2018  
 Client: Aurecon  
 Name of Project: Upgrade of Provincial Portion of Main Road 108, Gordon's Bay, Cape Town  
 Project Description: Construction Environmental Management Plan  
 Job Title and Duties: Environmental Consultant  
 Value of Project: R40 000

Location: Elim, Western Cape  
 Project duration & year: June 2014  
 Client: Eskom  
 Name of Project: Electricity Services Upgrade in the Historic Town of Elim, Western Cape  
 Project Description: EMP for the upgrading of electrical services in Elim, Western Cape.  
 Job Title and Duties: Environmental Consultant  
 Value of Project: R120 000

Location: Vredenburg, Western Cape  
 Project duration & year: November 2015 -  
 Client: Planning Partners (Pty) Ltd  
 Name of Project: Provision of Serviced Sites at George Kerridge, Vredenburg  
 Project Description: EMP for the provision of serviced sites and associated infrastructure in Vredenburg  
 Job Title and Duties: Environmental Consultant  
 Value of Project: R140 000

Location: Saldanha, Western Cape  
 Project duration & year: October 2015  
 Client: African Inter-Continental Enterprises (Pty) Ltd  
 Name of Project: Velddrif Desalination Plant and Associated Infrastructure EMP  
 Project Description: Proposed seawater desalination plant and associated infrastructure.

## Jessica du Toit

### Environmental Scientist

Job Title and Duties: Environmental Consultant)  
Value of Project: R230 000

#### **Key Experience: Environmental Control Officer**

Location: Western Cape  
Project duration & year: 2019 - ongoing  
Client: Coega Development Corporation (on behalf of NDPW)  
Name of Project: Western Cape Fishing Harbour Maintenance and Repairs  
Project Description: ECO for slipway repairs at various fishing harbours in the Western Cape  
Job Title and Duties: ECO for monthly site visits  
Value of Project: R 90 000

Location: Western Cape  
Project duration & year: 2019 - ongoing  
Client: Coega Development Corporation (on behalf of NDPW)  
Name of Project: Western Cape Fishing Harbour Maintenance and Repairs  
Project Description: ECO for dredging at various fishing harbours in the Western Cape  
Job Title and Duties: ECO for monthly site visits  
Value of Project: R 150 000

Location: Western Cape  
Project duration & year: 2016 - ongoing  
Client: Coega Development Corporation (on behalf of NDPW)  
Name of Project: Western Cape Fishing Harbour Maintenance and Repairs  
Project Description: ECO for the removal of sunken fishing vessels and dredging at various fishing harbours in the Western Cape  
Job Title and Duties: ECO for twice monthly site visits  
Value of Project: R 150 000

Location: Cape Town, South Africa  
Project duration & year: 2016-2017  
Client: Hatch Goba  
Name of Project: Slent Road Upgrade  
Project Description: ECO for the upgrade of a portion of Slent Road  
Job Title and Duties: ECO for monthly site audits

Location: Cape Town, Western Cape  
Project duration & year: 2015-2017  
Client: Project Assignments and Water and Wastewater Engineering  
Name of Project: WWTW Aeration Blowers and Primary/Secondary Settlement Tanks  
Project Description: Upgrade or Installation of Aeration Blowers and PST/SST at Various WWTWs for City of Cape Town  
Job Title and Duties: ECO for monthly site visits

Location: Goedverwacht, Western Cape  
Project duration & year: June 2015 – 2017  
Client: Eskom  
Name of Project: Goedverwacht ECO Services  
Project Description: Provision of ECO services for the construction of a proposed 11kV overhead powerline in Goedverwacht and dismantling of old powerline near Piketberg.  
Job Title and Duties: ECO for monthly site visits  
Value of Project: R119,000

Location: Platteklouf, Western Cape  
Project duration & year: March 2014 – August 2015

## Jessica du Toit

### Environmental Scientist

Client: Arun Projects  
Name of Project: Baronetcy Residential Development ECO Services  
Project Description: Provision of ECO services for the construction of the Baronetcy Residential Development  
Job Title and Duties: ECO for twice monthly site visits  
Value of Project: R90 000

#### **Key Experience: Visual Impact Assessment (VIA)**

Location: Emalahleni, Mpumalanga  
Project duration & year: 2019-  
Client: Anglo American Platinum  
Name of Project: SACE Lifex Extension  
Project Description: Visual inputs for Pre-Feasibility Study for the expansion of SACE Lifex Coal Mine  
Job Title and Duties: Visual Specialist: mapping, sensitivity study and impact assessment  
Value of Project: R90 000

Location: Limpopo, South Africa  
Project duration & year: 2018-2019  
Client: Anglo American Platinum  
Name of Project: Der Brochen Expansion Project  
Project Description: VIA for the Der Brochen Expansion Project  
Job Title and Duties: Visual Specialist: mapping, sensitivity study and impact assessment  
Value of Project: R30 000