

## CURRICULUM VITAE OF MARIKE JANSE VAN VUUREN

|                         |   |
|-------------------------|---|
| <b>Profession :</b>     | Environmental Compliance Consultant   |
| <b>Specialisation:</b>  | Environmental Compliance, report writing, report reviewing for various construction and renewable energy projects |
| <b>Work Experience:</b> | 8 years' experience as an Environmental Officer and Environmental Consultant                                      |

### VOCATIONAL EXPERIENCE

I have an honours degree in Geography with an undergraduate degree in Geography and Environmental Management and currently have 7 years' experience in Environmental Management in the Construction Environment as an Environmental Consultant and Environmental Officer. I am also a registered candidate Environmental Assessment Practitioner (EAP) - 2020/1677 (EAPASA).

I am currently employed as an Environmental Compliance Consultant for Savannah Environmental. As an Environmental Compliance Consultant, I have gained extensive experience in auditing as the ECO and lead auditor for various construction, power station and renewable energy projects.

Since 2016 I was previously employed by EP3 Environmental (Pty) Ltd as an Environmental Officer and was promoted to an Environmental Consultant from January 2019 until August 2019. As an Environmental Consultant I mostly carried out ECO roles and responsibilities, auditing various sites (from residential to green building projects), conducting Air and Water Monitoring and compiling monthly environmental compliance reports in terms of the Water Use Licence (WUL), Environmental Management Plan (EMP) and Environmental Authorisation (EA). As an ECO I also had to guide the projects with cost effective solutions and initiatives that will ensure environmental legal compliance.

Since 2016 until January 2019 I was an Environmental Officer, appointed by EP3 Environmental (Pty Ltd) who worked directly for Liciastar (main Contractor) at Kathu Solar Park near Kathu in the Northern Cape. It was a 100MW Concentrated Solar Power (CSP) project with a parabolic through system, equipped with a molten salt storage system that allows 4.5 hours of thermal energy storage. The project can provide 179 000 local homes with electricity for the next 20 years. The estimated project value being R12 billion. It is estimated that this project will save six million tons of CO<sub>2</sub> over the next 20 years. I was the sole Environmental Officer managing the Kathu Solar Park from start to finish. During my time there, I managed 1800 site employees from different countries and cultures, implementing environmental compliance on the project according to the ISO 14001 system. I designed and implemented the entire site's waste management strategy with the aim to reduce our carbon footprint and therefore obtained extensive knowledge about various types of general and hazardous waste (i.e. HTF - heat transfer fluid, acids, diesel, petrol, cement, different types of oil and lubricants etc.), ensuring that we recycled 93% of all of the waste that was generated on site. An achievement I am very proud of and have been praised extensively by several esteemed industry players. In addition, I was also responsible for the implementation of cost effective storm water management initiatives, the conducting of water quality monitoring, the rehabilitation of previously disturbed areas, managing a housekeeping team of at least 10 site employees, continuous incident reporting and close-out, compiled monthly reports for the client, managed all sub-contractors on site and ensured overall environmental legal compliance by means of monthly audits. Special care was

also taken to safely relocate various animals such as snakes, scorpions, birds, rock monitors etc. and I also received training to be a certified snake handler.

In 2013 I was appointed by Basil Read as an Environmental Officer until 2016 (3.5 years). I managed two projects for 6-7 months simultaneously until December 2013. Both projects are road construction projects: Rehabilitation of National Road R23 Section 2 between Standerton and Greylingstad (Km 56,0) (52,0 km) with an estimated project value of R 796 695 511.00. Rehabilitation of National Road R23 Section 1 between Platrand (km 52,0) and Standerton (km 82,0) (26,3,0) with an estimated project value of R 414 767 797.40. From January 2014 I was only managing the project from Standerton to Greylingstad. For my ECO audits I have received an average EMP compliance score of 93%. I've obtained great knowledge about waste management, rehabilitation of borrow pits/quarries, Risks – aspects and impacts, storm water and siltation management, EMP legal compliance, the reporting, recording and investigation of environmental incidents, providing environmental awareness and inductions to all employees and implementing recycling initiatives. I was also responsible for the successful removal and relocation of a large quantity of protected plant species e.g. African Potato and *Crinum Macowanii* and had to obtain the necessary permits in this regard.

I received the award for Best First Year and Best Second Year student in Geography as well as Best Third Year student in Public Management at the University of the Free State. In addition, I was awarded a Golden Key International Honour Society membership for achieving academic marks which placed me amongst the top 15% students at the University.

## SKILLS BASE AND CORE COMPETENCIES

- Environmental Compliance
- Water quality monitoring and reporting
- Dust monitoring and report writing
- Environmental Management systems (ISO 14001)
- Environmental compliance legal auditing and report writing
- Environmental Management
- Implementation of Environmental Management Plans
- Waste management and recycling
- EMPr part 1 amendments
- EA part 1 amendments
- Report submissions to the DEA

My role and responsibilities as an Environmental Compliance Consultant is to undertake tasks related to the development of environmental Management systems, compliance monitoring and audits, and new business development. Report review in terms of project-specific Environmental Authorisations and project-specific Environmental Management plans, compliance verification against other Environmental legislation such as the National Water Act; or the National Environmental Management: Waste Act. Research of related environmental policy documentation, efficient and quality report writing and reviewing, liaison with relevant environmental authorities, site visits, revision of Environmental Management Programmes (EMPrs) as well as assistance to Environmental Assessment Practitioners (EAPs) in terms of reporting and permit applications.

## EDUCATION AND PROFESSIONAL STATUS

### Degrees:

- Postgraduate Degree: B.A. Geography Honours at the University of the Free State
- Undergraduate Degree: B.A. Geography and Environmental Management at the University of the Free State

### Short Courses:

- Diploma – Canine Behaviour and Training Instructor (August 2020) – Registration number: 2020070
- Attended a Raptor Identification course, hosted by Ulrich Oberprieler (2012)
- Snake handling course (2017)

### Professional Society Affiliations:

- Registered Candidate Environmental Assessment Practitioner - 2020/1677 (EAPASA).

### Other Relevant Skills:

- Canine Behaviour and Training Instructor
- Certified snake handler and relocater

## EMPLOYMENT

| Date                    | Company                          | Roles and Responsibilities  |
|-------------------------|----------------------------------|---|
| 22 June 2020 - Current: | Savannah Environmental (Pty) Ltd | Environmental Compliance Consultant<br><u>Tasks include:</u><br>Undertaking tasks related to the development of environmental Management systems, |

| Date  | Company                            | Roles and Responsibilities  |
|---|------------------------------------|---|
|   |                                    | <p>compliance monitoring and audits, and new business development. Report review in terms of project-specific Environmental Authorisations and project-specific Environmental Management plans, compliance verification against other Environmental legislation such as the National Water Act; or the National Environmental Management: Waste Act. Research of related environmental policy documentation, efficient and quality report writing and reviewing, liaison with relevant environmental authorities, site visits, revision of Environmental Management Programmes (EMPrs) as well as assistance to Environmental Assessment Practitioners (EAPs) in terms of reporting and permit applications.</p>      |
| <p><b>January 2019 – 6 August 2019</b></p>    | <p>EP3 Environmental Pty (Ltd)</p> | <p><i>Environmental Consultant</i><br/> <u>Tasks included:</u><br/>           Conducting monthly site inspections, monthly ECO reports detailing the level of compliance achieved in terms of the project EMPr and EA/WUL reports, conducting monthly water quality monitoring and dust monitoring on various projects and compiling Water Quality and Air Quality monitoring reports on a monthly basis, documenting shortfalls and providing recommendations in all reports in order to ensure improved environmental compliance.</p>   |
| <p><b>1 October 2016 – 1 January 2019</b></p> | <p>EP3 Environmental Pty (Ltd)</p> | <p><i>Environmental Officer</i><br/> <u>Tasks included:</u><br/>           Waste management, incident reporting, sub-contractor auditing, rehabilitation of areas that was affected by construction, implementation of the Environmental Management Plan, carbon footprint monitoring and reporting, initiated recycling initiatives, reviewing of method statements, writing of procedures and compiling monthly reports for the client, catching and relocation of animals encountered during construction operations on site to a designated off-set area, ensuring overall environmental legal compliance during the construction phase of the project, alien invasive management and daily site inspections.</p> |
| <p><b>2 May 2013 – 23 September 2016</b></p>  | <p>Basil Read Limited</p>          | <p><i>Environmental Officer</i><br/> <u>Tasks included:</u><br/>           Waste management, rehabilitation of borrow pits/quarries, Risks – aspects and impacts, storm water and siltation management, EMP legal compliance, the reporting, recording and investigation of environmental incidents,</p>  |

| Date | Company | Roles and Responsibilities   |
|------|---------|--|
|      |         | providing environmental awareness and inductions to all employees and implementing recycling initiatives. The removal and relocation of protected plant species e.g. African Potato and Crinum Macowanii and the obtainment of the necessary permits in this regard. |

## PROJECT EXPERIENCE

Marike is an Environmental Compliance Consultant with 8 years' experience as an Environmental Officer and Environmental Consultant in the Environmental Construction industry. Marike holds an honours degree in Geography with an undergraduate degree in Geography and Environmental Management and is a registered Candidate Environmental Assessment Practitioner – 2020/1677 (EAPASA). Marike has extensive experience in Environmental Compliance and auditing and report writing for various construction and renewable energy projects.

Project experience includes

### **RENEWABLE POWER GENERATION PROJECTS: CONCENTRATED SOLAR FACILITIES (CSP)**

#### ***Environmental Impact Assessments and Environmental Management Programmes***

| Project Name & Location                            | Client Name          | Role                                 |
|--|----------------------|--------------------------------------|
| <i>Xina Solar One Thermal Plant, Northern Cape</i> | <i>Abengoa Solar</i> | <i>EMPr amendment and submission</i> |
| <i>Kaxu Solar One Thermal Plant, Northern Cape</i> | <i>Abengoa Solar</i> | <i>EMPr amendment and submission</i> |

#### ***Environmental Compliance, Auditing and ECO***

| Project Name & Location                           | Client Name                                | Role  |
|---|--|---|
| <i>Kathu Solar Park near Kathu, Northern Cape</i> | <i>Kathu Solar Park/Engie</i>              | <i>Environmental Officer for the construction of the project and Environmental Control Officer for the construction close-out audit</i> |
| <i>Khi Solar One, Upington, Northern Cape</i>     | <i>Khi Solar One (RF)(Pty)(Ltd)</i>        | <i>Environmental Control Officer</i>  |
| <i>Karoshhoek, near Upington, Northern Cape</i>   | <i>Karoshhoek Solar One (RF) (Pty) Ltd</i> | <i>ECO auditing and report writing in terms of the IWUL.</i>  |

### **RENEWABLE POWER GENERATION PROJECTS: SOLAR ENERGY FACILITIES**

#### ***Environmental Compliance, Auditing and ECO***

|   |   |                                      |
|---|---|--------------------------------------|
| <i>Sishen PV Solar Facility – Near Kathu, Northern Cape</i> | <i>Windfall 59 Properties (Pty) Ltd</i> | <i>Environmental Control Officer</i> |
|---|---|--------------------------------------|

|   |                                   |   |
|---|-----------------------------------|---|
| Aggeneys PV solar plant in the Northern Cape province                                 | Ramizone (RF) Proprietary Limited | ECO for the ad hoc auditing and reporting for the monitoring and close-out of rehabilitation.   |
| Konkoonsies II PV solar plant in the Northern Cape Province                           | Ramizone (RF) Proprietary Limited | ECO for the ad hoc auditing and reporting for the monitoring and close-out of rehabilitation.   |
| Zeerust PV solar plant in the North West province                                     | Istoguard Proprietary Limited     | Temporary Environmental Officer for the project to ensure compliance to all legal requirements. |
| De Wildt PV solar plant in the North West province                                    | Ingweguard Proprietary Limited    | Temporary Environmental Officer for the project to ensure compliance to all legal requirements. |
| Adams Solar 19MW PV Solar Power generation plant near Hotazel, Northern Cape Province | Sola Group                        | ECO for the auditing and reporting of construction activities.                                  |

#### **RENEWABLE POWER GENERATION PROJECTS: WIND ENERGY FACILITIES**

##### ***Environmental Impact Assessments and Environmental Management Programmes***

| <b>Project Name &amp; Location</b>                               | <b>Client Name</b>              | <b>Role</b>    |
|--|---------------------------------|----------------|
| Dorper Wind Energy Facility on a site near Molteno, Eastern Cape | Dorper Wind Farm (RF) (Pty) Ltd | EMPr amendment |

#### **INFRASTRUCTURE DEVELOPMENT PROJECTS (BRIDGES, PIPELINES, ROADS, WATER RESOURCES, STORAGE, ETC)**

##### ***Environmental Compliance, Auditing and ECO***

| <b>Project Name &amp; Location</b>   | <b>Client Name</b> | <b>Role</b>  |
|--|--------------------|--|
| Rehabilitation of National Road R23 Section 2 between Standerton and Greylingstad (Km 56,0) (52,0 km)      | SANRAL             | Environmental Officer  |
| Rehabilitation of National Road R23 Section 1 between Platrand (km 52,0) and Standerton (km 82,0) (26.3,0) | SANRAL             | Environmental Officer  |
| Walter Sisulu National Botanical Garden Stream Crossing Upgrade, Johannesburg, Gauteng                     | SANBI              | Environmental Control Officer  |
| South African Radio Astronomy Observatory (SARAO)  | SARAO              | Environmental Control Officer for the expansion of the MeerKAT telescope |

## **CONVENTIONAL POWER GENERATION PROJECTS (COAL)**

### ***Environmental Compliance, Auditing and ECO***

| <b>Project Name &amp; Location</b>  | <b>Client Name</b> | <b>Role</b>                                  |
|---|--------------------|--|
| <i>Tutuka Power Station annual legal audit, near Standerton, Mpumalanga</i> | <i>ESKOM</i>       | <i>Environmental Compliance Lead auditor</i> |

## **GRID INFRASTRUCTURE PROJECTS**

### ***Environmental Impact Assessments and Environmental Management Programmes***

| <b>Project Name &amp; Location</b>       | <b>Client Name</b>               | <b>Role</b>                                   |
|--|----------------------------------|---|
| <i>Excelsior OHL EA part 1 amendment</i> | <i>BioTherm Energy (Pty) Ltd</i> | <i>Application for an EA part 1 amendment</i> |

### ***Environmental Compliance, Auditing and ECO***

| <b>Project Name &amp; Location</b>                      | <b>Client Name</b>                | <b>Role</b>                          |
|---|-----------------------------------|--------------------------------------|
| <i>Sorata, Witsieshoek, near Harrismith, Free State</i> | <i>ESKOM Holdings SOC Limited</i> | <i>Environmental Control Officer</i> |

## **GAS PROJECTS**

### ***Environmental Compliance, Auditing and ECO***

| <b>Project Name &amp; Location</b>                                 | <b>Client Name</b>            | <b>Role</b>   |
|--|-------------------------------|---|
| <i>Wadeville Gas pipeline project, Wadeville, Gauteng Province</i> | <i>Phambili Gas (Pty) Ltd</i> | <i>Environmental Control Officer for the auditing and reporting of construction activities.</i> |
| <i>Nigel Gas pipeline project, Nigel, Gauteng Province</i>         | <i>Phambili Gas (Pty) Ltd</i> | <i>Environmental Control Officer for the auditing and reporting of construction activities.</i> |

## **MINING SECTOR PROJECTS**

### ***Environmental Compliance, Auditing and ECO***

| <b>Project Name &amp; Location</b>                          | <b>Client Name</b>          | <b>Role</b>                             |
|---|-----------------------------|---|
| <i>Tronox Namakwa Sands, Western Cape</i>                   | <i>Tronox Namakwa Sands</i> | <i>Lead Auditor (EMPr, WML, IWUL's)</i> |
| <i>Kusasalethu Harmony Gold near Carletonville, Gauteng</i> | <i>Harmony Gold</i>         | <i>Lead Auditor (WUL)</i>               |

## **HOUSING AND URBAN PROJECTS**

### **Environmental Compliance, Auditing and ECO**

| <b>Project Name &amp; Location</b>   | <b>Client Name</b>                          | <b>Role</b>   |
|--|---|---|
| <i>Fleurhof Integrated Housing development, Johannesburg, Gauteng</i>  | <i>Calgro M3 Developments (Pty) Ltd</i>     | <i>Environmental Consultant</i>                                     |
| <i>La Vie Nouvelle Retirement and Wellness Village, Johannesburg, Gauteng</i>  | <i>Calgro M3 Developments (Pty) Ltd</i>     | <i>Environmental Consultant</i>                                     |
| <i>Jabulani CBD Mixed use development, Soweto, Gauteng</i>   | <i>Calgro M3 Developments (Pty) Ltd</i>     | <i>Environmental Consultant</i>                                     |
| <i>Westend Office Park – Green Star Office Park Building development, Pretoria</i>   | <i>Abland Property Developers (Pty) Ltd</i> | <i>Environmental Consultant</i>                                     |
| <i>Ekurhuleni Water Care Company (ERWAT), Gauteng Province</i>   | <i>ERWAT</i>                                | <i>Environmental Compliance Consultant – drafting audit reports</i> |
| <i>Department of Agriculture Land Reform and Rural Development (DALRRD), Head Office Complex, Berea Park, Pretoria in the Gauteng Province</i> | <i>WBHO</i>                                 | <i>Environmental Control Officer</i>                                |

## **INDUSTRIAL PROJECTS**

### **Training**

| <b>Project Name &amp; Location</b>                             | <b>Client Name</b>                           | <b>Role</b>                            |
|--|--|--|
| <i>GfE MIR Minerals and Alloys in Vulcania, Gauteng</i>        | <i>GfE MIR Alloys and Minerals</i>           | <i>Provided Environmental training</i> |
| <i>Ekurhuleni Water Care Company (ERWAT), Gauteng Province</i> | <i>Ekurhuleni Water Care Company (ERWAT)</i> | <i>Audit report writing</i>            |



## CURRICULUM VITAE OF MMAKOENA MMOLA

**Profession :** Senior Environmental Assessment Practitioner

**Specialisation:** Environmental Permitting, Environmental Assessments, and Compliance

**Work Experience:** 5 years

### VOCATIONAL EXPERIENCE

Mmakoena is an Environmental Consultant with 5 years of experience in the environmental field. She holds a B.Sc. (Hons) in Geochemistry from the University of the Witwatersrand and is currently completing her B.Sc. (Hons) in Environmental Management with the University of South Africa. She is registered as a Professional Natural Scientist with the South African Council for Natural Scientific Professions (SACNASP), Registration Number: 126748 and an Environmental Assessment Practitioner with the Environmental Assessment Practitioners Association of South Africa, Number 2019/260.

Mmakoena's experience includes Environmental Impact Assessment (EIA) permitting for a variety of projects, ranging from infrastructure (transport services and localised infrastructure), mining, waste management services, and renewable energy. These include Environmental Authorisations (Basic Assessments and Scoping and Environmental Impact Assessments), Water Use Authorisations, compliance auditing and mining permitting. She therefore has a wide ranging experience with various legislation including the National Environmental Management Act (NEMA), National Heritage Resources Act (NHRA), National Environmental Management Waste Management Act (NEM:WA), National Environmental Management Biodiversity Act (NEM:BA), the Mineral and Petroleum Resources Development Act (MPRDA) and the National Water Act (NWA), having applied them for numerous small, medium and large-scale projects across various industries. Mmakoena also has experience beyond the permitting sphere through screening assessments for potential developers, including pre-feasibility desktop screening and regulatory and permitting approval screening.

### SKILLS BASE AND CORE COMPETENCIES

- Environmental management, environmental impacts assessments, environmental permitting and compliance monitoring
- Project management
- Public participation and stakeholder engagement
- Field work skills
- Adaptability and ability to handle pressure
- Organisational skills
- MS Office Package (Word, PowerPoint and Excel)
- Google Earth
- ArcGIS (basic)

## EDUCATION AND PROFESSIONAL STATUS

### Degrees:

- Bachelor of Science (Hons) Environmental Management, in progress, University of South Africa
- Bachelor of Science (Hons) Geochemistry, 2016, University of the Witwatersrand
- Bachelor of Science Geology, 2015, University of the Witwatersrand

### Short Courses and Workshops Attended:

- Environmental Law Update Webinar, 2021, Inlexso
- Environmental Management and Regulations, 2018, Kuvimbika
- Research Methodology and Report Writing, 2017, Imsimbi Training

### Professional Society Affiliations:

- Professional Natural Scientist, Environmental Science, South African Council for Natural and Scientific Professions – Registration Number: 126748
- Environmental Assessment Practitioner with the Environmental Assessment Practitioners Association of South Africa - Number 2019/260.

## EMPLOYMENT

| Date           | Company                          | Roles and Responsibilities  |
|----------------|----------------------------------|---|
| 2022 - Current | Savannah Environmental (Pty) Ltd | <p>Senior Environmental Assessment Practitioner</p> <p><u>Tasks include:</u></p> <ul style="list-style-type: none"><li>• Undertake environmental screening assessments, environmental permitting and environmental authorisation applications.</li><li>• Undertake water use authorisation applications on the e-WULAA system.</li><li>• Complete Part 1 and Part 2 EA amendment applications and prepare motivation reports in support of applications for Part 2 EA amendments.</li><li>• Undertake environmental compliance audits and provide ECO services.</li><li>• Efficient and quality report writing to execute and manage the delivery of environmental impact assessment (EIA) reports and Environmental Management Programmes in line with the requirements of the National Environmental Management Act and EIA Regulations.</li><li>• Liaison with relevant environmental authorities.</li><li>• Execution of the public participation process.</li><li>• Professional client liaison.</li><li>• Project management.</li><li>• Manage third parties or sub-consultants to which functions have been outsourced.</li><li>• Preparation of proposals and budgets.</li><li>• Mentoring and advising junior environmental consultants and evaluating their work.</li></ul> |

| Date                   | Company                            | Roles and Responsibilities   |
|------------------------|------------------------------------|--|
| <b>2021 - Current:</b> | Savannah Environmental (Pty) Ltd   | <p><i>Environmental Assessment Practitioner</i></p> <p><u>Tasks include:</u></p> <ul style="list-style-type: none"> <li>• Undertake environmental screening assessments, environmental permitting and environmental authorisation applications.</li> <li>• Undertake water use authorisation applications on the e-WULAA system.</li> <li>• Complete Part 1 and Part 2 EA amendment applications and prepare motivation reports in support of applications for Part 2 EA amendments.</li> <li>• Undertake environmental compliance audits and provide ECO services.</li> <li>• Efficient and quality report writing to execute and manage the delivery of environmental impact assessment (EIA) reports and Environmental Management Programmes in line with the requirements of the National Environmental Management Act and EIA Regulations.</li> <li>• Liaison with relevant environmental authorities.</li> <li>• Execution of the public participation process.</li> <li>• Professional client liaison.</li> <li>• Project management.</li> <li>• Manage third parties or sub-consultants to which functions have been outsourced.</li> <li>• Preparation of proposals and budgets.</li> </ul> |
| <b>2019 - 2020</b>     | Golder Associates Africa (Pty) Ltd | <p><i>Junior Environmental Consultant</i></p> <p><u>Tasks included:</u></p> <ul style="list-style-type: none"> <li>• Providing assistance on local environmental and social impact assessments.</li> <li>• Completing water use license applications.</li> <li>• Undertaking environmental compliance and water use license audits.</li> <li>• Providing ECO Services.</li> <li>• Conducting annual integrated water and waste management plan updates.</li> <li>• Preparing environmental screening reports.</li> <li>• Preparing project proposal documents and budgets.</li> <li>• Assisting in the compilation of terrestrial ecology and wetland impact assessment reports and mine closure plans.</li> <li>• Undertaking field work.</li> <li>• Liaising with clients and regulatory authorities.</li> <li>• Providing administrative support to project managers.</li> </ul>  |
| <b>2017 - 2019</b>     | Shango Solutions                   | <p><i>Junior Consultant</i></p> <p><u>Tasks included:</u></p> <ul style="list-style-type: none"> <li>• Completing environmental authorisation, prospecting and mining permit applications.</li> <li>• Completing Section 102 amendment applications.</li> </ul>  |

| Date | Company | Roles and Responsibilities  |
|------|---------|---|
|      |         | <ul style="list-style-type: none"> <li>• Conducting performance assessments and financial provisioning assessments in accordance with the Mineral and Petroleum Resources Development Act (MPRDA).</li> <li>• Compiling basic assessment reports and synthesizing work from other environmental specialists for inclusion in the basic assessment reports.</li> <li>• Identifying potential environmental impacts and preparing environmental management programmes detailing suitable mitigation measures.</li> <li>• Identification of key stakeholders, landowners, neighbours, organs of state and other applicable interested and affected parties for specific projects and compilation of Interested and Affected Party (I&amp;AP) databases.</li> <li>• Drafting public participation documentation according to regulatory requirements: Background Information Documents; site notices and adverts; letters to stakeholders and/or Interested and Affected Parties; and comments and responses reports.</li> <li>• Arranging and facilitating public meetings.</li> <li>• Conducting consultations with community leaders, tribal chiefs, affected landowners, etc.</li> <li>• Providing administrative support to project managers.</li> </ul> |

## PROJECT EXPERIENCE

### **RENEWABLE POWER GENERATION PROJECTS: SOLAR ENERGY FACILITIES AND WIND ENERGY FACILITIES**

#### ***Environmental Impact Assessments and Environmental Management Programmes***

| Project Name & Location   | Client Name  | Role          |
|---|--|---------------|
| 400MW (4x 100MW) Mutsho Solar PV, Limpopo Province              | CRI Eagle  | EAP           |
| Angora Wind Energy Facility, Northern Cape Province             | Great Karoo Renewable Energy (Pty) Ltd             | EAP           |
| Merino Wind Energy Facility, Northern Cape Province             | Great Karoo Renewable Energy (Pty) Ltd             | EAP           |
| Vrede and Rondavel Solar PV Facilities, Free State Province     | Mainstream Renewable Energy Developments (Pty) Ltd | Assistant EAP |
| 40MW Buffelspoort Solar PV Energy Facility, North-West Province | Buffelspoort Solar Project                         | EAP           |
| 100MW Northam Solar PV Energy Facility, Limpopo Province        | Zondereinde Solar Proprietary Limited              | EAP           |
| Umbila Emoyeni Renewable Farm, Mpumalanga Province              | Emoyeni Renewable Energy Farm (Pty) Ltd            | EAP           |

### Basic Assessments

| Project Name & Location   | Client Name                        | Role |
|---|------------------------------------|------|
| Northam Solar Photovoltaic (PV) Facility, Limpopo Province                | Northam Platinum Limited           | EAP  |
| Hamlett Wind Energy Facility, Eastern Cape Province (project in progress) | Hamlett (Pty) Ltd                  | EAP  |
| 19.99MW Becrux Solar PV Facility, Mpumalanga Province                     | The SOLA Group                     | EAP  |
| 10MW Becrux Two Solar PV Facility, Free State Province                    | The SOLA Group                     | EAP  |
| Aberdeen Wind Farm cluster - 4x 170MW Wind                                | Atlantic Energy Partners (Pty) Ltd | EAP  |

### Screening Studies

| Project Name & Location   | Client Name         | Role |
|---|---------------------|------|
| Environmental Screening for the Proposed Secunda and Sasolburg Solar PV Facilities, Free State Province and Mpumalanga Province | The SOLA Group      | EAP  |
| Pre-feasibility Desktop Screening and Fatal Flaw Scan for wind project near Saldanha, Western Cape                              | SaldaWind (Pty) Ltd | EAP  |

### Environmental Permitting, S53, Water Use Licence (WUL), Waste Management Licence (WML) & Other Applications

| Project Name & Location   | Client Name   | Role |
|---|---|------|
| Biodiversity Permitting and General Authorisation Applications for the Harmony Tshepong, Nyala and Eland Solar PV Facilities, Free State Province | Nyala Photovoltaic (Pty) Ltd<br>Tshepong Photovoltaic (Pty) Ltd<br>Eland Photovoltaic (Pty) Ltd | EAP  |
| General Authorisation Application for the Northam Solar PV Facility, Limpopo Province   | Northam Platinum Limited  | EAP  |

### Environmental Authorisation Amendment Applications

| Project Name & Location   | Client Name  | Role |
|---|--|------|
| Part I Amendment: Proposed 75MW Sannaspos PV Plant (Phase 1) and its associated infrastructure, Free State Province | ENGIE BU Africa                                    | EAP  |
| Part I Amendment: Construction of the 140MW Korana Wind Energy Facility, Northern Cape Province                     | Mainstream Renewable Energy Developments (Pty) Ltd | EAP  |
| Part I Amendment: Construction of the 75MW Korana Solar Energy Facility, Northern Cape Province                     | Mainstream Renewable Energy Developments (Pty) Ltd | EAP  |
| Part I Amendment: Construction of the 140MW Khai-Ma Wind Energy Facility, Northern Cape Province                    | Mainstream Renewable Energy Developments (Pty) Ltd | EAP  |

### GRID INFRASTRUCTURE PROJECTS

#### Basic Assessments

| Project Name & Location | Client Name | Role |
|-------------------------|-------------|------|
|-------------------------|-------------|------|

|   |  |     |
|---|--|-----|
| Electrical Grid Infrastructure for the Kolkies and Sadawa PV clusters, Western Cape Province                                | Mainstream Renewable Energy Developments (Pty) Ltd | EAP |
| Electrical Grid Infrastructure for the Vrede and Rondavel Solar PV Facilities, Free State Province                          | Mainstream Renewable Energy Developments (Pty) Ltd | EAP |
| Sadawa Collector Substation, Western Cape Province  | Mainstream Renewable Energy Developments (Pty) Ltd | EAP |
| Main Transmission Substation (MTS) associated with the Choje Wind Farm cluster, Eastern Cape Province (project in progress) | Wind Relic (Pty) Ltd                               | EAP |
| Great Karoo Electrical Grid Infrastructure, Northern Cape Province  | Great Karoo Renewable Energy (Pty) Ltd             | EAP |
| Electrical Grid Infrastructure for the Umbhila Emoyeni Renewable Farm, Mpumalanga Province                                  | Emoyeni Renewable Energy Farm (Pty) Ltd            | EAP |
| Electrical Grid Infrastructure for the Aberdeen Wind Farm Cluster   | Atlantic Energy Partners (Pty) Ltd                 | EAP |

#### **Environmental Authorisation Amendment Applications**

| <b>Project Name &amp; Location</b>   | <b>Client Name</b>                                 | <b>Role</b> |
|--|--|-------------|
| Part I Amendment: Construction of a 132kV power lines associated with the Poortjies Wind Energy Facility, Northern Cape Province | Mainstream Renewable Energy Developments (Pty) Ltd | EAP         |
| Part I Amendment: Construction of a 132kV power lines associated with the Khai-Ma Wind Energy Facility, Northern Cape Province   | Mainstream Renewable Energy Developments (Pty) Ltd | EAP         |
| Part II Amendment: Korana solar power line Part 2 EA amendment, Northern Cape Province   | Mainstream Renewable Energy Developments (Pty) Ltd | EAP         |

#### **GAS EXPLORATION PROJECTS**

##### **Environmental Impact Assessments and Environmental Management Programmes**

| <b>Project Name &amp; Location</b>   | <b>Client Name</b>                       | <b>Role</b>                                       |
|--|--|---|
| Kroonstad Gas Exploration Right and Environmental Authorisation, Free State Province | Western Allen Ridge Gold Mines (Pty) Ltd | Assistant EAP and Public Participation Consultant |

#### **MINING PROJECTS**

##### **Environmental Impact Assessments and Environmental Management Programmes**

| <b>Project Name &amp; Location</b>                             | <b>Client Name</b>                     | <b>Role</b>                                       |
|--|--|---|
| Pure Source Mine Mining Right Application, Free State Province | Monte Cristo Commercial Park (Pty) Ltd | Assistant EAP and Public Participation Consultant |

##### **Basic Assessments**

| <b>Project Name &amp; Location</b>  | <b>Client Name</b>                 | <b>Role</b>   |
|---|------------------------------------|---------------|
| Basic Assessment for the Western Margin Gap West Prospecting Right, Free State Province | White Rivers Exploration (Pty) Ltd | Assistant EAP |

|  |                                     |               |
|--|-------------------------------------|---------------|
| Basic Assessment for the Ventersburg Consolidated Prospecting Right, Free State Province | White Rivers Exploration (Pty) Ltd  | Assistant EAP |
| Basic Assessment for the Nkunzana Prospecting Right, KwaZulu-Natal Province              | WRE Base Metals (Pty) Ltd           | Junior EAP    |
| Basic Assessment for the Kroonstad North Prospecting Right, Free State Province          | White Rivers Exploration (Pty) Ltd  | Junior EAP    |
| Basic Assessment for the Vredefort West Extension Prospecting Right, Free State Province | White Rivers Exploration (Pty) Ltd  | Junior EAP    |
| Basic Assessment for the Beisa North Prospecting Right, Free State Province              | Sunshine Mineral Reserves (Pty) Ltd | EAP           |
| Basic Assessment for the Palmietfontein Mining Permit, North-West Province               | Palm Chrome (Py) Ltd                | Assistant EAP |

### Specialist Studies

| Project Name & Location  | Client Name                          | Role                            |
|--|--------------------------------------|---------------------------------|
| New Largo Mine Closure and Rehabilitation Plan, Mpumalanga Province  | Seriti Coal                          | Junior Environmental Consultant |
| Smarty Minerals Integrated Environmental Authorisation: Wetland Impact Assessment Report, Limpopo Province | Smarty Minerals Investment (Pty) Ltd | Junior Environmental Consultant |
| Glencore Water Treatment Plant Pipeline: Wetland Monitoring, Mpumalanga Province                           | Glencore                             | Junior Environmental Consultant |

### Environmental Compliance, Auditing and ECO

| Project Name & Location  | Client Name                         | Role    |
|--|-------------------------------------|---------|
| Glencore Merafe Wonderkop Smelter, Regulation 34 Audit, North West Province  | Glencore                            | Auditor |
| Tshipi Borwa Mine Water Use Licence Audit, Northern Cape Province  | Tshipi Borwa Mine                   | Auditor |
| Samancor Middelburg Ferrochrome: Construction of ore dryer, Mpumalanga Province  | Samancor Middelburg Ferrochrome     | ECO     |
| Various Annual Financial Provision and Environmental Compliance Audits for prospecting sites as per the MPRDA, Free State and KwaZulu-Natal Province | White River's Exploration (Pty) Ltd | Auditor |
| Impala Platinum Limited – Springs annual external Water Use Licence Audit, Gauteng Province  | Impala Platinum Limited             | Auditor |

### INFRASTRUCTURE DEVELOPMENT PROJECTS (BRIDGES, PIPELINES, ROADS, WATER RESOURCES, STORAGE, ETC)

#### Specialist Studies

| Project Name & Location   | Client Name       | Role                            |
|---|-------------------|---------------------------------|
| Closure cost model estimate and closure cost report for the Proposed Surface Pipeline and Associated Infrastructure, Gauteng Province | AngloGold Ashanti | Junior Environmental Consultant |
| Wetland Impact Assessment report for Proposed Surface Pipeline and Associated Infrastructure, Gauteng Province                        | AngloGold Ashanti | Junior Environmental Consultant |

**Environmental Compliance, Auditing and ECO**

| <b>Project Name &amp; Location</b>                        | <b>Client Name</b> | <b>Role</b> |
|---|--------------------|-------------|
| MWCAP-2A Environmental Management Audit, Limpopo Province | Nexia SAB&T        | Auditor     |

**AGRICULTURE PROJECTS****Environmental Permitting, S53, Water Use Licence (WUL), Waste Management Licence (WML) & Other Applications**

| <b>Project Name &amp; Location</b>                        | <b>Client Name</b>  | <b>Role</b>  |
|---|---------------------|--|
| Dew Crisp Water Use Licence Application, Gauteng Province | Dew Crisp (Pty) Ltd | Junior Environmental Consultant (providing assistance) |

**OTHER****Environmental Impact Assessments and Environmental Management Programmes**

| <b>Project Name &amp; Location</b>   | <b>Client Name</b>             | <b>Role</b> |
|--|--------------------------------|-------------|
| Anglo African Metals Zero Waste Recovery Solution, Mpumalanga Province           | Anglo African Metals (Pty) Ltd | EAP         |
| Eskom Majuba Landfill, Mpumalanga Province (project in progress)                 | Eskom                          | EAP         |
| Expansion of Recreational and Sports Facilities at the Country Club Johannesburg | Country Club Johannesburg      | EAP         |



## CURRICULUM VITAE OF NONDUMISO BULUNGA

### Comprehensive CV

|                         |   |
|-------------------------|---|
| <b>Profession :</b>     | Lead - Social, GIS and Stakeholder Engagement                     |
| <b>Specialisation:</b>  | Social, GIS and Stakeholder Engagement in the environmental field |
| <b>Work Experience:</b> | 8 years in the Environmental field.                               |

### VOCATIONAL EXPERIENCE

Nondumiso Bulunga is a Social, GIS and Stakeholder Engagement Specialist at Savannah Environmental. Nondumiso has eight (8) years working experience in project management and facilitation in various industries such as environmental services field including but not limited to recycling, industrial, energy, mining and agriculture.

Working for small and large organisations, Nondumiso has gained exposure in research, collection of data, critical analysis, GIS, and environmental solutions. Nondumiso has worked on projects in South Africa and Malawi.

Nondumiso is very well versed in the IFC Environmental and Social Performance Standards (including IFC PS 2012) and the associated Equator Principles, which have informed the approach and standard for projects regarding ESIA. Nondumiso is skilled at organising and driving effective project teams at a scale relevant to the project's requirements. She has technical experience and can quickly identify the most pertinent issues of a particular project whilst focussing on driving project success by rigorously implementing project management tools.

Nondumiso has experience ranging over several aspects of social research, including the planning and execution of social surveys, participatory rural appraisal, sustainable livelihoods assessments, data management and statistical analysis, capturing and management of spatial data, stakeholder identification and community facilitation. She has worked in local and regional projects taking part in socioeconomic impact assessment, livelihood restoration plans and resettlement plans.

## SKILLS BASE AND CORE COMPETENCIES

- Consultation
- Stakeholder Engagement
- Facilitation
- Social Impact Assessments
- Communication
- Project Management
- Project Coordination
- Research
- Training and Development
- Geographical Information Systems, Remote Sensing
- Stakeholder Engagement Plans
- Stakeholder Analysis and Mapping
- IFC Performance Standards
- Comments and Response Reports
- Grievance Mechanism
- Awareness Campaign

## EDUCATION AND PROFESSIONAL STATUS

### Degrees:

- 2018 : MSC GEOGRAPHICAL INFORMATION SYSTEM and REMOTE SENSING
- 2015 : BAHONS in GEOGRAPHY
- 2013 : BA in GEOGRAPHY AND SOCIOLOGY

### Short Courses:

- 2015 One day information session on Modern Technologies and Pathways for the Energetic Use of Biomass
- 2015 One day Public lecture on Climate Change
- 2017 Accredited facilitation certification
- 2017 One day course on Office Management Training
- 2018 Resettlement as part of Impact Assessment

## EMPLOYMENT

| Duration                         | Position  | Company                             | Roles and Responsibilities  |
|----------------------------------|---|-------------------------------------|---|
| May 2021 – current<br>●Permanent | Lead Consultant:<br>Social,<br>Stakeholder<br>Engagement<br>and GIS | Savannah<br>Environmental (Pty) Ltd | Build, lead and manage a Stakeholder Consultation and Engagement team.<br>Advance the Social Impact Assessment reporting service offering.<br>Manage an in-house GIS team and upskill to improve and develop new deliverables for the EIA and Compliance teams.<br>New business development, including development and driving the development of new products and/or services as part of the Savannah Environmental service offering.<br>Manage and mentor staff and critically review and edit reporting/deliverables.<br>Provide strategic input to business and project deliverables. |

| Duration                                  | Position                      | Company   | Roles and Responsibilities   |
|---|-------------------------------|---|--|
| October 2020 – February 2021<br>●Contract | Data Analyst                  | Community Insights Groups (International)         | <ul style="list-style-type: none"> <li>Desk review of project documentation to inform data collection tools</li> <li>Contribute to the development of monitoring indicators</li> <li>Develop new databases of indicators and consolidate with existing databases from the client</li> <li>Develop household and focus group questionnaires</li> <li>Develop interview/ focus group guidelines</li> <li>Develop fieldwork plan</li> <li>Set up survey software</li> <li>Train local enumerators in the use of the survey software (over ZOOM)</li> <li>Provide remote support to the field team on the survey software</li> <li>Undertake phone KIs</li> <li>Develop information campaign materials and visual aids for focus groups, KIs</li> <li>Data organization and quality assurance during the field work (remote)</li> <li>Organize, clean and handover raw data to the client</li> <li>Desktop data analysis – qualitative and quantitative</li> <li>Produce and populate pivot and frequency distribution tables</li> <li>Produce narrative and graphic description of the data for the client report</li> <li>GIS Data Management and Handling</li> <li>Map creation and analysis</li> </ul> |
| November 2019 – March 2021<br>●Contract   | Policy Coordinator Consultant | International Finance Corporation (International) | <ul style="list-style-type: none"> <li>Support to the Agri-processing resource efficiency program</li> <li>Coordinate public and private stakeholders to propose specific policy</li> <li>Regulatory and procedural measures to promote improved water efficiency</li> <li>Convening a public-private dialogue process to reach consensus</li> <li>Manage partnerships with local authorities</li> <li>Due Diligence and risk assessment</li> </ul>  |
| April 2020 – October 2020<br>●Contract    | Project Manager               | Pax Advisory (Pty) Ltd (South African)            | <ul style="list-style-type: none"> <li>Plan and implement projects</li> <li>Define project scope</li> <li>Help define goals</li> <li>Define deliverables</li> <li>Define tasks and required resources</li> <li>Create schedule</li> <li>Project timeline</li> <li>Manage budget</li> <li>Allocate project resources</li> <li>Track deliverables</li> <li>Support and direct team</li> <li>Lead quality assurance</li> <li>Monitor and report on project progress</li> <li>Present to stakeholders reports on progress as well as problems and solutions</li> <li>Implement and manage change</li> <li>Project data management</li> </ul>   |

| Duration   | Position                                   | Company   | Roles and Responsibilities  |
|--|--|---|---|
| March 2017-<br>November 2019<br>●Permanent           | Environmental<br>Stakeholder<br>Consultant | Digby Wells<br>Environmental (Pty)<br>Ltd<br>(South African)    | Addressing issues and needs of communities'<br>Public participation process and<br>communicate Liaise with stakeholders<br>Scientific report writing for social and stakeholder<br>engagement inclusion<br>Assistance is provided in maintaining and updating<br>Interested and Affected database<br>Print / photocopy and the deliver documents to<br>various stakeholders<br>Distribute information (placing posters, posting,<br>mailing, emailing, sending SMS messages, etc.)<br>Assist with the project administration on large and<br>small projects<br>Data collection and inclusion into scientific reports<br>Assist with information material and report<br>compilation material |
| February 2015 –<br>February 2017<br>●Permanent       | Environmental<br>Officer                   | EcoPartners (Pty) Ltd<br>(South African)                        | Public participation for environmental legal<br>authorisation applications<br>Compiling legal registers and monthly legal update<br>letter<br>Supply all services required for I and APs<br>Write and edit reports<br>Research various environmental aspects.<br>Environmental awareness training<br>Creation of maps for all environmental applications<br>Collection of spatial information<br>Build and Maintain data and information libraries<br>Data collection and analysis<br>Environmental legal authorisation applications  |
| February<br>2014-<br>September<br>2014<br>●Permanent | Graduate<br>Researcher                     | Linkd<br>Environmental<br>Services (Pty) Ltd<br>(South African) | Research for projects given as tenders<br>Collecting data from the different forms of<br>information<br>Collecting data for the purpose of controlling it and<br>reporting on it in order to formulate status quo<br>Create reports based on the data, give<br>recommendations for better quality data to be<br>collected<br>Participate in workshop strategy sessions.<br>Help implement policies formulated in strategy<br>sessions and approved by steerco.  |
| October<br>2014 –<br>December<br>2014<br>●Contract   | Researcher and<br>Report Writer            | South African<br>Cities Network<br>(Pty) Ltd<br>(South African) | Research<br>Project co-ordination and<br>management Knowledge<br>management<br>Reporting and administrative support<br>GIS support and map analysis<br>Report writing and research gaps   |

## PROJECT EXPERIENCE

| Project Name & Location   | Client Name                              | Role  |
|---|--|---|
| EIA for the Buffelspoort Solar Project, North West<br>Province                | Total Eren/Chariot<br>Transitional Power | Social Impact Assessor and Public<br>Participation Consultant |
| Environmental, Social & Governance (ESG)<br>assessment                        | Richards Bay Coal Terminal<br>(Pty) Ltd  | Social Assessor   |
| To Conduct Study of Sanitation Systems at Two<br>Health Facilities, Swaziland | Ministry of Health, Swaziland            | Environmental, Social and Health<br>Specialist                |

| <b>Project Name &amp; Location</b>   | <b>Client Name</b>  | <b>Role</b>   |
|--|---|---|
| Social Impact Assessment - Doornhoek PV Cluster including 132kV line to the Hermes MTS   | Atlantic Energy Partners (Pty) Ltd                        | Social Impact Assessor                                      |
| Stakeholder engagement for the Socio-economic Impact Assessment for the closure of 3 Eskom power stations  | Urban Econ on behalf of Eskom                             | Project Manager   |
| Exxaro 22-month Resettlement Monitoring Proposal for Phumulani Agri-Village, Mpumalanga  | CSG Water & Environmental Consultants on behalf of Exxaro | Report Writer Reviewer, Quality Assurance & Project Support |
| Environmental Impact Assessment for Agricultural and Pivot Development on various farm portions, Free State Province   | Venter Boerdery (Pty) Ltd                                 | Project Manager   |
| Scoping and environmental Impact Report for 175 MW PV, North West  | Sibanye Stillwater  | Report Writer Reviewer, Quality Assurance & Project Support |
| EIA Process for Siyanda PV Facilities & BESS   | SoLink  | Social Impact Assessor and Public Participation Consultant  |
| BA for Hopefield Watercourse Crossing  | Umoya Energy (Pty) Ltd                                    | Reviewer & Quality Assurance                                |
| BAR for the 10MW Sigma PV Project, Free State  | SOLA Group  | Social Impact Assessor                                      |
| SIAs for 2x EIAs for PV & BESS at Siyanda Bakgatla Mine, Limpopo   | SoLink  | Social Impact Assessor                                      |
| SIA for 2x 100MW PV south of Hartebeesfontein, North West - in Klerksdorp REDZ   | Cape EPrac  | Social Impact Assessor                                      |
| Socio-economic impact assessments (Scoping/EIA) for Pofadder Wind farm cluster, Northern Cape  | Atlantic Energy Partners (Pty) Ltd                        | Social Impact Assessor                                      |
| Socio-economic impact assessments (Scoping/EIA) for Pofadder Wind farm cluster, Northern Cape  | Engie Solar   | Reviewer & Quality Assurance                                |
| BA for additional area for Grootspuit Solar PV facility, Free State Province   | Engie Solar   | Reviewer & Quality Assurance                                |
| EIA for additional area for Graspan Solar PV facility, Northern Cape Province  | Engie Solar   | Reviewer & Quality Assurance                                |
| EIA for additional area for Sannaspos Solar PV facility, Free State Province   | Engie Solar   | Reviewer & Quality Assurance                                |
| EIA for 225MW San Solar PV on a site north west of Kathu, Northern Cape Province   | San Solar Energy (Pty) Ltd                                | Social Impact Assessor                                      |
| SIA for a Battery Energy Storage System (BESS) within the authorised footprint of Hotazel Solar - amendment application  | Cape EPrac  | Social Impact Assessor                                      |
| BA processes for 3x Kheis PV facilities  | AGV Projects  | Social Impact Assessor                                      |
| Screening of sites for the placement of PV facilities near Northam, Limpopo Province   | SoLink  | GIS Specialist  |
| BAR for the 10MW Sigma PV Project, Free State  | SOLA Group  | Social Impact Assessor                                      |
| Land sensitivity analysis on the identified land for the Merafong Solar Farm Cluster Project   | Gauteng Infrastructure Financing Agency                   | Social and GIS Specialist                                   |
| EIA/WML for Majuba waste disposal facility   | Eskom – Majuba Power Station                              | Reviewer & Quality Assurance                                |
| P2 amendment for Poortjies Wind Energy Facility  | Mainstream Renewable Power                                | Reviewer & Quality Assurance                                |
| EIAs for 2x 100MW PV on a site west of Lichtenburg, North West   | Atlantic Energy Partners (Pty) Ltd                        | Reviewer & Quality Assurance                                |
| EIA processes for the Great Karoo Renewable Energy Cluster   | Great Karoo Renewable Energy                              | Reviewer & Quality Assurance                                |
| Proposed Grid Connection Infrastructure for the Woodhouse 1 and Woodhouse 2 Solar Energy Facilities  | Genesis Eco-Energy Developments (Pty) Ltd                 | Report Writer Reviewer, Quality Assurance & Project Support |
| Environmental Impact Assessment And Public Participation Process For The Proposed Development Of The Nama Solar East Facility And Nama Solar West Solar Facility With Associated | Nama Solar East (Pty) Ltd and Nama Solar West (Pty) Ltd.  | Reviewer, Quality Assurance & Project Support               |

| <b>Project Name &amp; Location</b>   | <b>Client Name</b>   | <b>Role</b>  |
|--|--|--|
| Infrastructure, Northern Cape  |  |  |
| Proposed Development of a New Waste Disposal Site at the Eskom Majuba Power Station near Amersfoort, Dr Pixley Ka Seme Local Municipality, Mpumalanga Province   | Eskom Holdings Ltd   | Report Writer, Quality Assurance & GIS Support                                 |
| The Construction of the 100MW Nku Solar Photovoltaic Facility (PV1), on portion 96 of the Farm Rondavel 85 and Farm Annex Rondavel, near Richmond, Northern Cape Province  | Great Karoo Renewable Energy (Pty) Ltd                         | Reviewer, Quality Assurance & Project Support                                  |
| Environment, Social & Governance (ESG) Assessment and Development of ESG Policy  | Richards Bay Coal Terminal Proprietary Limited                 | Report Writer and Assessment Practitioner                                      |
| Environmental Impact Assessment Process for 2X 100MW Solar PV Facilities   | Atlantic Energy Partners (Pty) Ltd                             | Report Writer - Social Impact Assessment<br>Quality Assurance/Reviewer         |
| Moeding Solar PV Facility and Tiger Kloof Solar Facility with nearby settlements   | Kabi (Pty) Ltd   | Geographical Information Systems Specialist (GIS) & Reviewer/Quality Assurance |
| Solar PV Screening, Kathu Northern Cape Province   | AGV Projects (Pty) Ltd   | Report Writer, Researcher & Quality Assurance & GIS Support                    |
| Solar PV Screening/and or Wind Projects, Vredendal Western Cape Province   | ABO Wind (Pty) Ltd   | Report Writer, Researcher & Quality Assurance & GIS Support                    |
| Komsberg West Wind Energy Northern and Western Cape Provinces Revised Environmental Management Programme and Final Layout  | Gunstfontein Wind Farm (Pty) Ltd,                              | Reviewer, Quality Assurance & Project Support                                  |
| Grid Connection Infrastructure for the Namas Wind Farm   | Genesis Namas Wind (Pty) Ltd                                   | Reviewer, Quality Assurance & Project Support                                  |
| Grid Connection Infrastructure for the Zonnequa Wind Farm  | Gensis Zonnequa Wind (Pty) Ltd                                 | Reviewer, Quality Assurance & Project Support                                  |
| Proposed 10mw Northam Solar Pv Facility Near Thabazimbi, Limpopo Province  | Northam Platinum Limited                                       | Reviewer, Quality Assurance & Project Support                                  |
| Amendment of the Environmental Authorisation for the Proposed Construction of The Gunstfontein Switching Station, 132kv Overhead Power Line And Ancillary Infrastructure For The Proposed Gunstfontein Wind Farm | Gunstfontein Wind Farm (Pty) Ltd                               | Geographical Information Systems Specialist (GIS) & Reviewer/Quality Assurance |
| Grid Connection Infrastructure, including 132kv Overhead Powerline, Switching Station And Ancillaries, For The Great Karoo Wind Farm, Northern Cape  | Great Karoo Wind Farm (Pty) Ltd                                | Geographical Information Systems Specialist (GIS)                              |
| Perdekraal West Wind Energy Facility and Associated Infrastructure, Located in the Witzenburg Local Municipality Within The Western Cape Province  | Perdekraal West Wind Farm (Pty) Ltd                            | Reviewer, Quality Assurance & Project Support                                  |
| Pienaarspoort Wind Energy Facility 1, Western Cape Province  | Pienaarspoort Wind Energy Facility 1 (Pty)                     | Reviewer, Quality Assurance & Project Support                                  |
| Environmental Impact Assessment And Public Participation Process Bergriver Wind Farm, Western Cape Province  | FE Berg River (Pty) Ltd  | Stakeholder Engagement and Reviewer, Quality Assurance                         |
| Construction and operation of the 100MW Rondavel PV facility, BESS and associated infrastructure near Kroonstad, Free State Province   | South Africa Mainstream Renewable Power Developments (Pty) Ltd | Reviewer, Quality Assurance & Project Support                                  |
| Kolkies and Sadawa PV and EGI Suite of projects, Western Cape  | South Africa Mainstream Renewable Power Developments (Pty) Ltd | Reviewer, Quality Assurance & Project Support                                  |
| Cluster Of Renewable Energy Facilities And Redz 3 Power Corridor 400 Main Transmission Substation Between Somerset East And Makhanda, Eastern Cape Province  | Wind Relic (Pty) Ltd   | Reviewer, Quality Assurance & Project Support                                  |

| <b>Project Name &amp; Location</b>   | <b>Client Name</b>  | <b>Role</b>   |
|--|---|---|
| Wind Garden Wind Farm And Fronteer Wind Farm Near Makhanda, Eastern Cape Province  | Wind Garden (Pty) Ltd & Fronteer (Pty) Ltd  | Reviewer, Quality Assurance & Project Support                                 |
| Environmental Authorisation required for Prospecting Right Application on various Portions of the Farm Schaapkopje 194 HT, 5km North of Vryheid Town in the AbaQulusi Local Municipality, KwaZulu Natal                              | Tutuuka Resources Proprietary Limited   | Report Writer and Project Administrator, Stakeholder Engagement & GIS Support |
| Social Impact Assessment for the Proposed Infrastructure Amendments Environmental Authorisation and Water Use License  | Seriti Power (Pty) Ltd  | Report Writer- Stakeholder Engagement & GIS Support                           |
| Social Impact Assessment for the Proposed Middelburg Mining Services (MMS) Boschmanskrans Section Implementation of Wetland Mitigation and Offset Strategy   | Seriti Power (Pty) Ltd  | Report Writer- Stakeholder Engagement & GIS Support                           |
| Environmental Authorisation And Integrated Water Use Licence Application For The Proposed Liquid Mist Trading Beneficiation Plant Expansion Project  | Liquid Mist (Pty) Ltd   | Report Writer and GIS Support   |
| Basic Assessment Process In Support Of The Proposed The Construction Of Doornpoort Pumping Main And Pumpstation, Emalaheni Local Municipality In The Mpumalanga Province   | Lefatshe Infrastructure Services (Pty) Ltd  | Report Writer and Project Administrator & GIS Support                         |
| Water Use Licence Renewal Application for the Inyanda Coal Wash Plant, on the Portions 2, 20 And 21 Of Farm Kalbasfontein 284 JS & Portion 4 of Farm Mooifontein 285 JS Near Witbank in the eMalaheni Local Municipality, Mpumalanga | Inyanda Mining Holdings   | Report Writer and Project Administrator                                       |
| Social Impact Assessment for the Proposed Ikwezi Vanadium Mining Project   | Ikwezi Vanadium (Pty) Ltd   | Report Writer – Social Impact & Project Administrator                         |
| Environmental Authorisation (EIA) for the proposed Giyani Renewable Energy Solar Photovoltaic Power  | Giyani Renewable Energy   | Report Writer- Stakeholder Engagement & GIS Support                           |
| Environmental Authorisation required for Prospecting Right Application on farm Mooihoek and various farm portions of farm Pivaanspoort   | Pivaanspoort (Pty) Ltd  | Report Writer   |
| Draft Basic Assessment Report For The Proposed Upgrade Of Weltevreden Wetland Interventions  | Seriti Power (Pty) Ltd  | Report Writer   |
| Social and Labour Plan for the Straffontein Colliery   | Mnambithi Mining (Pty) Ltd  | Report Writer – Social Impact and Social Labour Plans & GIS Support           |
| Social and Labour Plan for the existing operational expansion Leeuwfontein Colliery Mining Right Amendment Applications  | Zomhlaba Resources (Pty) Ltd  | Report Writer – Social Impact and Social Labour Plans & GIS Support           |
| Social and Labour Plan for the existing operational expansion Lakeside Colliery Mining Right Amendment Applications  | Zomhlaba Resources (Pty) Ltd  | Report Writer – Social Impact and Social Labour Plans & GIS Support           |
| Social Impact Assessment for the Proposed Aangewys Coal Mine Mining Right Application  | National Treasure Minerals (Pty) Ltd  | Report Writer – Social Impact and Social Labour Plans & GIS Support           |
| Environmental Impact Assessment And Water Use Licence Application In Support Of The Proposed Grootlaagte Open Cast Mining, Mpumalanga – Arnot Opco (Pty) Ltd   | Arnot OpCo  | Report Writer- Stakeholder Engagement & GIS Support                           |
| Malawi Solar Projects, Livelihood restoration and social performance monitoring and planning   | JCM Power   | Data Analyst  |
| 750 AMPED Campaign   | Health Wellness SETA  | Project Manager   |
| Integrity Due Diligence Reports  | Various ( South African Poultry Industry, Centre of Industrial Scientific Research; SA Milk Producers | Policy Coordinator/ Report Writer   |
| Policy Component for agri-processing projects  | eThekwini Municipality  | Policy Coordinator/ Report Writer   |

| <b>Project Name &amp; Location</b>  | <b>Client Name</b>                                  | <b>Role</b>                              |
|---|---|--|
| Alignment of EIA's and WUL's  | South 32  | Social Specialist/Report Writer          |
| Environmental Authorisation for Klipspruit Colliery   | South 32  | Social Specialist/Report Writer          |
| Expansion and Development of Sun City Resorts   | Sun International                                   | Social Specialist/Report Writer          |
| Environmental Authorisation for a Regulatory Environmental Process  | Blyvoor Gold  | Social Specialist/Report Writer          |
| Mooikraal Road Diversion Project  | Sasol (Pty) Ltd                                     | Social Specialist/Report Writer          |
| Pretorius Park Housing Development  | Luengo Consulting                                   | Social Specialist/Report Writer          |
| Grave Relocation Project  | Exxaro Resources                                    | Social Specialist/Report Writer          |
| Syferfontein Housing Development  | LTE Consulting                                      | Social Specialist/Report Writer          |
| Leeuwpan Lifex Project  | Exxaro Resources                                    | Social Specialist/Report Writer          |
| Environmental Authorisation required for Proposed Palmietkuilen Colliery near Springs   | Canyon Resources (Pty) Ltd                          | Social Specialist/Report Writer          |
| Environmental Authorisation required for the Agnes Gold Mine, Barberton   | Galaxy Gold Reefs (Pty) Limited                     | Social Specialist/Report Writer          |
| Environmental Authorisation for the Proposed Hendrina Underground Coal Mine, Mpumalanga   | Glencore Operations South Africa (Pty) Ltd          | Social Specialist/Report Writer          |
| Environmental authorisation applications(Waste management, Water use license, EMP)  | Various   | Social Specialist/Report Writer          |
| Environmental Authorisation Applications related to the Construction of Power Station, Associated Infrastructure, and Coal Mine near Colenso, KZN | Dunrose Investments 244 for Colenso Power (Pty) Ltd | Project Administrator/ Social Specialist |
| Environmental Awareness Training  | Various   | Facilitator                              |
| Legal register  | Various   | Report Compiler                          |
| Dynamics and Incidence of Child Abuse, Neglect and Exploitation(DICANE)   | Department of Social Development                    | Facilitator                              |
| The Alexandra Environment Public Upgrade-management of the public participation process   | Johannesburg Development Agency                     | Project Administrator                    |
| Cities Green Transport Programme  | South African Cities Network                        | Project Researcher                       |
| Project Management of the EPWP Construction of the Mvoti Regional Landfill  | Department of Environmental Affairs                 | Project Researcher                       |
| Development of climate change adaptation and mitigation programme   | Department of Agriculture Forestry and Fisheries    | Project Researcher                       |
| Capacity Building in spatial transformation   | South African Cities Network                        | Project Researcher                       |