

# MARTHA LIPITWA SHIMOOSHILI

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## PROFESSIONAL SUMMARY

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A proactive and versatile Independent Environmental and Social Consultant with Eight (8) years' work experience specializing in Environmental and Social Safeguards, with a wealth of experience in cutting edge for sustainability practices across various sectors. My passion lies in becoming more contemplative in support of community resilience, entrepreneurs, education on climate change and sustainable development. My overarching mission is to accelerate the transition to sustainable economy, focusing on climate change adaptation and Mitigation, NET-ZERO, climate finance, climate policy, social inclusion, peace and security, resilience, that will leave a lasting societal impact.

**Interests:** Carbon Management: Carbon Credits, Carbon Market, Carbon Taxes, Carbon Accounting | Sustainable Investment | Taxonomy and GHG | Climate Finance, Climate Change Mitigation and Adaptation | ESG Reporting | Nature-Based Solution | Environmental and Social Assessment Studies | Climate Security, Peace and Policy | Circular Economy and Clean Energy| Project Management

## EDUCATION AND PROFESSIONAL TRAINING

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### Midland State University

Gweru, Zimbabwe | January 2012 – December 2015

Course: Bachelor of Science in Geography and Environmental Studies- Honors Degree

### World Bank

Online | September 2021 – October 2021

Online- Professional course attended Online: Environmental and Social Framework-ESF Fundamental: World Bank <https://olc.worldbank.org/content/environmental-and-social-framework-esf-fundamentals>

### Green House Gases Protocol

Online | 8 April 2024 – 17 April 2024

Online Training: Designing of MRV System for Entry- Level Greenhouse Gases emission: The course aimed at designing MRV Systems for Entity-Level Greenhouse Gas Emissions to supports policymakers and practitioners in developing GHG reporting programs for collecting emissions data from entities: <https://ghgprotocol.org/designing-mrv-systems-entity-level-greenhouse-gas-emissions>

## PROFESSIONAL EXPERIENCE

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*Key selected projects (2015- present)*

**Company/Organization: Ministry of Agriculture Water and Land Reform and African Development Bank**

Windhoek, Namibia | March 2021 – July 2024

**Title: Environmental and Social Technical Assistant-Consultant**

NAMIBIA WATER SECTOR SUPPORT PROGRAM, (Namibia) <https://www.afdb.org/en/search/content/NWSSP>. I work as a full-time as an E&S Technical Assistant Consultant a program aims to achieve sustainable production and transfer of water resources towards improved access, quality, and security to safe drinking water for human consumption and for industrial use in urban and rural centers of the country. My responsibilities includes but not limited:

- Review relevant national policies, laws, strategies and the Bank's policies and standards and ensure that NWSSP fully complies.
- Project development phase tasks relating to AFD, IFC, UN, and WORLD BANK compliant environmental and social impact assessments (ESIAs) and other specialist studies.
- Management of third party consultants and advisors including competence with preparation of scopes of work; evaluation of proposals; selection and appointment of consultants; coordination of consultant activities; technical review of reports.
- Compilation, review and validation of ESG performance and impact reporting data and preparation of content for internal and external reports.

- Review projects to identify potential environmental and social issues early in the development process, support the preparation and implementation of Environmental and Social Impact Assessments (ESIAs), Environmental & Social Action Plan (ESAP), Resettlement Action Plans (RAPs), and Community Stakeholder Engagement Plans.
- Undertake on-site assessments or screening of projects and sub-projects to identify and assess potential environmental and social risks and impacts to inform tools to be developed and implementation of mitigation measures.
- Draft Terms of References for consultancy services.
- Support the establishment and functionality of Grievance Redress Mechanisms (GRM) structures across all levels.
- Facilitate meaningful stakeholder engagements at all levels of the Program, including communities, local leaders and local and provincial councils to enhance project awareness, transparency and accountability.
- Identify the improving opportunities to empower both men and women to access and participate in management of water and sanitation facilities/resources.
- Assist the program implementing team, assist with project management, outreach activities, annual work plan and budgeting, procurement plan.
- Establish Integrated Management System (IMS) that is aligned with the program sites facilities Management Integrated Management System and Client SHEQR contractual obligation, perform the required contractual and IMS required audits / inspections, update the relevant systems, institute corrective actions, ensure overall HSE compliance in the region and implement continuous improvement initiatives.

**Company Name: UNDP in Partnership with Ministry of Mine and Energy (Namibia)**

**Windhoek, Namibia | July 2020 – October 2020**

**Title: Lead Consultant and Project Manager**

Developed the Health and Safety Manual/Guidelines for Small Scale Mining in Namibia by UNDP in Partnership with Ministry of Mine and Energy. Duties:

- Site Visit and Data Collection
- Review relevant national policies, laws, and strategies.
- Project development phase tasks relating to AFD, IFC, UN, and WORLD BANK compliant environmental and social impact assessments (ESIAs) and other specialist studies.
- Compilation, review and validation of ESG performance and impact reporting data and preparation of content for internal and external reports.
- Attendance at meetings, liaison with project partners, provision of project-related advice and guidance for E&S management.
- Stakeholders Mapping and Engagement
- Proposal and Technical Report Writing

**Company Name: Client: CENORED (Namibia)**

**Windhoek, Namibia | June 2020 – December 2020**

**Title: Lead Consultant: Environmental Assessment Practitioner (EAP)**

Conduct Environmental Scoping Assessment (ESA) for the proposed construction and operational of a 33kv Poweline from Maroelaboom to Mangettie Dune in Otjozondjupa Region. Scope of work:

- Compilation Landscape Specialist Report
- Compilation, review and validation of ESG performance and impact reporting data and preparation of content for internal and external reports.
- Compilation of Environmental and Social Scoping Report and the Management Plan
- Project management, Procurement, Site Visit & Assessment,
- Manual facilitation of public participation (including public meeting) and Compilation of environmental assessment report & environmental management 2020 Plan.

**Company Name: Client: Ministry of Agriculture Water and Land Reform and African Development Bank**

**Windhoek, Namibia | May 2019 – December 2019**

**Title: Lead Consultant: Project Manager**

Client: African Development Bank Group with the Ministry of Agriculture, Water and Forestry (Namibia)

Conducted environmental and social Safeguards instruments. Strategic Environmental and Social Assessment (SESA) / Environmental and Social Management Framework (ESMF) for the Namibia Water Sector Support Program. Scope of work;

- Stakeholder mapping and Public Participation Facilitation across 14 region of the country
- Compilation, review and validation of ESG performance and impact reporting data and preparation of content for internal and external reports.
- Project Management
- E&S due diligence of deals in accordance with AFD and National legislation
- Project development phase tasks relating to AFD, IFC, UN, and WORLD BANK compliant environmental and social impact assessments (ESIAs) and other specialist studies.
- Technical Report Compilation Water Use Application
- Compilation of Environmental and social Assessment and Environmental and Social Management Plan
- Determination of Groundwater Availability in the are

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## **ADDITIONAL SKILLS**

### **Technical Skills**

- Data Analysis and Interpretation.
- Preparation of the annual work plan and budgeting, procurement, bid preparation and evaluation.
- Communication and advocacy, strategy and outreach session.
- Project Management, Communication and Writing Skill.
- Microsoft Office Suits (Excel, Microsoft, Power Point, Google Workspace, Outlook, Team).
- Sporting/Cultural/Leadership/Entrepreneurial Experience.

### **Languages**

Include level of proficiency (basic, intermediate, fluent, native) behind each language in brackets

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## **EXTRA-CURRICULAR & INTERESTS**

- Netball, catering volunteering and other
- Volunteer regularly as a debate coach or judge

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## **REFERENCES**

### **1. Mr Victor Slinger**

Company : Ministry of Agriculture Water and Land Reform  
Position : Program Technical Advisor  
Cell phone Number : +264 811400086  
Email Address : [Victor.Slinger@mawlr.gov.na](mailto:Victor.Slinger@mawlr.gov.na)

### **2. Mr. Hendrikk Boshoff**

Company : Burmeister and Partner PTY LTD  
Position : Managing Director  
Cell phone Number : +264 81 128 7644  
Email address : [hboshoff@burmeister.com.na](mailto:hboshoff@burmeister.com.na)

### **3. Pro. Mark Makomborero Matsa (PHD)**

The Faculty Chairpreson  
Department of Geography Sustainability and Resilience Building  
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**PERSONAL DETAILS**

**Full Names:** Fredrika Ndeutala Shagama  
**Profession:** Hydrogeologist / Geohydrologist &  
Environmental Assessment Practitioner (Consultant)  
**Cellphone No:** +264 (0) 81 407 5536  
**Email address:** [fsahagia@gmail.com](mailto:fsahagia@gmail.com)  
**Posta Address:** P. O. Box 27318, Windhoek, Namibia  
**Nationality:** Namibian

**PROFESSIONAL PROFILE, CORE SKILLS AND EXPERTISE**

Fredrika is an Environmental and Water Consultant with 9 years of experience in Groundwater and Environmental Consulting, with experience both in Namibia, South Africa and the Czech Republic. She is passionate about the environment and water resources who can work either as an individual or in a team. Her core skills are in Hydrogeology (Groundwater exploration, Supply, Drilling supervision, and Impact Assessment), Geotechnical investigation phase 1, Proposal and Project Technical Report Compilation. Although Fredrika is a geological engineer (Hydrogeologist) by qualification and experience, she has also gained experience in conducting Environmental Impact Assessments (EIAs) and compilation of Environmental Management Plans (EMPs), facilitating EIA Consultation meetings and Stakeholders' Engagement, as well as incorporating specialists' inputs to EIA Reports that are both funded locally or internationally.

**PROFESSIONAL MEMBERSHIPS (AFFILIATIONS)**

- **International Association of Hydrogeologists** - Full Member, No.139790 [https://iah.org/wp-content/uploads/2019/05/IAHSpring2019Newsletter\\_web.pdf](https://iah.org/wp-content/uploads/2019/05/IAHSpring2019Newsletter_web.pdf) on page 19
- **Namibian Hydrogeological Association** - Member, <http://namhydro.com/wp/members/>
- **Environmental Assessment Professionals of Namibia (EAPAN)** - Practitioner, <http://eapan.org/registered-members>, Membership No. 183.

**PROFESSIONAL COURSES OR TRAININGS ATTENDED**

- Groundwater Flow Modelling with GMS (MODFLOW, MODPATH) by AQUAVEO at VSB-Technical University of Ostrava, June 2015
- Groundwater Investigations and Supply Assessment for Technical Reporting and EIA Report Compilation, GCS Water & Environment Consultants & GCS Namibia (Pretoria, 2016 & Windhoek, 2016)
- Hydrocarbon Contamination Assessment (Field Procedures and Report Writing), GCS Water & Environment Consultants (Pretoria, 2016)
- Social Impact Assessment: Stakeholders & Community Engagement Training and Procedures (GCS Namibia, 2017)

**EDUCATIONAL QUALIFICATIONS**

<b>Educational Institution</b>	<b>Qualification obtained</b>	<b>Study period</b>
VSB - Technical University of Ostrava, Czech Republic	<b>PhD. Student: Civil Engineering (Geotechnics &amp; Environmental Hydrogeology)</b>	2020 (ongoing)
VSB - Technical University of Ostrava, Czech Republic	<b>MSc. Geological Engineering (Cum Laude)</b> – with a primary focus in Hydrogeology  <b>Thesis title:</b> <i>Groundwater Pollution Transport from Tsumeb Copper Smelter in Namibia</i>  <b>Professional course attended:</b> Groundwater Flow Modelling with GMS (MODFLOE, MODPATH) by AQUAVEO at VSB-Technical University of Ostrava, June 2015	2013 - 2015
VSB - Technical University of Ostrava, Czech Republic	<b>BSc. Geological Engineering</b>  <b>Mini thesis title:</b> <i>Water Quality Prediction in the Skorpion Mine Pit Lake in Namibia</i>	2010 - 2013
Charles University in Prague, Mariánské Lázně Study Centre (UJOP), Czech Republic	<b>Certificate Level B2</b> , Czech Language for academic purposes	2009
University of Namibia	<b>BSc. Environmental Science &amp; Geology</b> – studies ended upon obtaining a scholarship to study in the Czech Republic	2008 – 2009

**LANGUAGES**

<b>Language</b>	<b>Speaking</b>	<b>Reading</b>	<b>Writing</b>
English	Excellent	Excellent	Excellent
Oshiwambo	Excellent/Native	Excellent/Native	Excellent/Native
Czech	Excellent	Excellent	Excellent

**EMPLOYMENT RECORD**

Since starting her professional career 9 years ago, Fredrika has been involved in numerous groundwater (hydrogeological), geotechnical, Environmental Impact Assessment projects. Groundwater projects have been focusing on groundwater investigation for new water supply sources, groundwater impact assessment and monitoring. The specific groundwater, geotechnical and environmental project responsibilities range from proposal writing, technical

report compilation, environmental assessment public meeting facilitation, site visits (fieldwork) & supervision, environmental compliance monitoring on sites and project management. The projects have been mainly based in different areas in Namibia, with groundwater projects (monitoring) and hydrocarbon contamination assessments that were based in Limpopo Province and Gauteng (Johannesburg), early 2016, respectively. Since January 2020, under her PhD Study Department of Geotechnics & Underground Engineering (VSB – TU Ostrava) in the Czech Republic, Fredrika has been involved in some technical projects responsible for Groundwater (Data) Management projects for Czech environmental and water management firms/organizations as part of the University-Industry collaborations.

Fredrika has been employed as per order of employment record below:

Period	Name of Employer, Position and Responsibilities
01 Aug 2020 to date	<p><b>Serja Hydrogeo-Environmental Consultants CC (Self-Founded)</b></p> <p><b>Position:</b> Principal Hydrogeologist and Environmental Assessment Practitioner (EAP)</p> <p><b>Responsibilities:</b> Conducting Groundwater (Hydrogeological) Studies (Exploration and Impact Assessment), Groundwater Monitoring, Project Management, Technical &amp; Financial Proposal Compilation, Technical Report compilation, Environmental Impact Assessments (EIAs) and Management Plans, Compiling project technical reports for Groundwater studies (as a specialist's input to EIAs) and adding input into projects' Environmental Management Plans (EMPs) where needed, Renewal of Environmental Clearance Certificates (ECCs) and Conducting Environmental Monitoring (Compliance Auditing) as well as Mentoring/Training of Environmental and Water Management graduates (young consultants)</p>
1 Jan 2020 to date	<p><b>VSB – Technical University of Ostrava, Ostrava</b></p> <p><b>Position:</b> PhD Student: Assistant Hydrogeologist / Groundwater Modeller and Researcher</p> <p><b>Responsibilities:</b> Conducting Research on Water, Geotechnical and Environmental Technical (Industrial) Projects, Data Preparation and Analysis, Numerical Surface Water and Groundwater Modelling (using MIKE SHE and GMS: MODFLOW, respectively – In Training)</p>
1 Apr 2019 to date	<p><b>Independent Water and Environmental Consultant, Windhoek / Ostrava</b></p> <p><b>Responsibilities:</b> Conducting Groundwater studies, Environmental Impact Assessments, advising clients on Environmental and Water management, Project Management, compiling project proposal and technical reports for Groundwater studies (including reports for water permit applications) and Environmental Impact Assessments (EIAs) and Environmental Management Plans (EMPs).</p> <p><b>Major Association/Collaborations</b></p>

**Highlight:** Contracted by the African Development Bank (AfDB) with four other independent consultants for a 3.5-month project under the Ministry of Agriculture, Water and Land Reform (MAWLR) for the Namibia Water Sector Support Programme's Strategic Environmental & Social Assessment (SESA) Duration: August 2019 to November 2019.  
[https://www.afdb.org/sites/default/files/documents/environmental-and-social-assessments/namibia\\_water\\_sector\\_support\\_program\\_nwssp\\_phase\\_1\\_esmf\\_p-na-e00-005.pdf](https://www.afdb.org/sites/default/files/documents/environmental-and-social-assessments/namibia_water_sector_support_program_nwssp_phase_1_esmf_p-na-e00-005.pdf).

**1 Jan 2019 – 30 June 2023** **Excel Dynamic Solutions (Pty) Ltd, Windhoek**

**Position:** Associate Consultant / Technical Advisor - Hydrogeology and EIAs

**Responsibilities:** Conducting Groundwater (Hydrogeological) studies, Groundwater Monitoring, Project Management & Staff management, Technical compilation of Groundwater studies and EIA reports and EMPs, Training and mentoring of young Consultants.

**3 Aug 2015 – 31 Dec 2018** **GCS Water Environmental Engineering Namibia (Pty) Ltd (GCS Namibia), Windhoek**

**Position:** Country Hydrogeologist, Environmental Assessment Practitioner (EAP) and Safety, Health & Environmental (SHE) Officer

**Responsibilities:** Conducting Groundwater (Hydrogeological), Geological & Geochemical studies, Geotechnical investigations, Groundwater Monitoring, Air Quality Monitoring, Project Management, Proposal and Technical Report writing and Environmental Impact Assessments & Environmental Management Plans. Further responsibility included training of junior geologists and environmental assessment practitioners and ensuring health and safety implementation in the office.

**1 06 Jul 2014 – 30 Sept 2014** **Dundee Precious Metals Tsumeb (DPMT), Tsumeb**

**Position:** Intern Geologist / Hydrogeologist in the Environmental Department (under the Supervision of GCS Water & Environmental Consultants (Pty) Ltd)

**Responsibilities:** Measuring Groundwater Levels, Water Sampling and Preservation.

#### **SOME OF THE KEY PROJECTS UNDERTAKEN (INCLUDING CLIENTS, RESPONSIBILITIES AND PERIOD/YEAR)**

##### **INFRASTRUCTURAL (ROADS, WATER, TELECOMMUNICATIONS, TOURISM) AND MINING RELATED ENVIRONMENTAL ASSESSMENT STUDIES (EIAS AND WATER STUDIES)**

- Environmental Assessment (EA) for the establishment and operation of Doros Plains Lodge southwest of Khorixas in Kunene Region. **Client: Ultimate Safaris (Pty) Ltd** under Resilient Environmental Solutions cc. **Responsibilities:** Environmental impact assessment, facilitation of stakeholder engagement, Site visit & assessment, compilation of the EA Report and EMP. **Year:** 2024.

- Environmental Impact Assessment (EIA) Study - Four Existing and Three New Proposed Borrow Pits for the Upgrading of DR3645 (16.3km: Engoyi to Omuntele) to Low Volume Seal (LVS) standards in the Oshikoto Region. **Client: Burmeister & Partners (Pty) Ltd Consulting Engineers/Roads Contractor Company (RCC) for Roads Authority of Namibia. Responsibilities:** Site visit & assessment of biological, physical and social impacts of borrow pits and road route, facilitation of 4 community engagement continuation from initial road works from 2007/2008 onwards and compilation of the EIA Scoping Report and Environmental Management & Rehabilitation (EMRP). **Year:** 2024.
- ECC Application and Development of the Comprehensive Environmental Management Plan (EMP) for the proposed upgrading of the existing Oxidation ponds in Rehoboth Town, Hardap Region, Namibia. **Client: Dunamis Consulting Engineers & Project Managers (Pty) Ltd for Rehoboth Town Council. Responsibilities:** Site Visit & Assessment, Compilation of the Comprehensive EMP. **Year:** Year: 2024.
- Hydrogeological Assessment for the Proposed Upgrade Low Volume Seal (LVS) Bitumen Road for DR3425-DR3447-DR3400 (155km: Sikanduko-Ncaute-Ndonga Linena) in the Kavango East Region: A Part of the Environmental & Social Impact Assessment Study. Client: D&P Consulting Engineers, Archetype Project Consultants, & Tweya Consulting Engineers (DAT-Joint Venture) for Roads Authority of Namibia. **Responsibilities:** Site/route Visit & Assessment, Groundwater Supply Assessment, Selected stakeholder/public familiarization (pre-consultation meetings), compilation of the Water Supply Assessment Report. **Year:** 2024.
- Hydrogeological Impact Assessment for the Proposed Aquaculture Project and associated Activities near Henties Bay Town in the Erongo Region, Namibia. **Client: EnviroPlan Consulting CC for Blue Ridge Aquaculture Africa (Pty) Ltd. Responsibilities:** Site visit & assessment, and Compilation of the Water Resources (Hydrogeological) Impact Assessment Report. **Year:** 2024.
- Hydrological & Hydrogeological Assessment Study for the Upgrading and Subsequent Operation of a Fleet Management Fuel Station in Windhoek, Khomas Region. **Client: Namibia Environmental Consultants CC for the City of Windhoek. Responsibilities:** Site visit & assessment, and Compilation of the Water Resources (Hydrogeological) Impact Assessment Report. **Year:** 2023/2024.
- Environmental Scoping Assessment Study for the proposed Prospecting and Exploration Activities on Exclusive Prospecting License (EPL) No. 6990 Located West of Uis Settlement in the Erongo Region and EPL-8904 in the Kunene Region. **Client: Gemco Investment CC. Responsibilities:** Environmental impact assessments, public & stakeholders' engagement/consultation, Site visits and assessments, compilation of the EIA Reports and Environmental Management Plans (EMPs). **Year:** 2023.
- Environmental & Social Impact Assessment Studies for the Ruacana South Phase 1 & Katima-Ngoma Phase 3 & 4 and the Reservoir Rural Water Supply Schemes in the Omusati and Zambezi Regions - as part of the Namibia Water Sector Support Program (NWSSP). Namibia. **Client: Ministry of Agriculture, Water and Land Reform (MAWLR). Responsibilities:** Baseline Assessments, Facilitation of Stakeholders Engagement, Compilation of ESIA Reports & ESMPs. **Year:** 2023.
- Hydrogeological Assessment Study for the Construction of Otavi Primary School in Otavi, Otjozondjupa Region. **Client: I.D Building Contractors CC. Responsibilities:** Hydrogeological Baseline Assessment, Site Visit & Assessment, and Compilation of the Hydrogeological Assessment Report. **Year:** 2023
- Groundwater Supply Assessment and Environmental & Social Impact Assessment (ESIA) for the Upgrade to Low Volume Bituminous Seal Standard of the DR3425 Ncaute to Karukuvisa Road (87km) in the Kavango



- East and West Regions. **Client: D&P Consulting Engineers, Archetype Project Consultants, & Tweya Consulting Engineers (DAT-Joint Venture) for Roads Authority of Namibia. Responsibilities:** Site/route Visit & Assessment, Groundwater Supply Assessment, Stakeholder/public engagement (consultation meetings facilitation), compilation of the Water Supply Assessment & ESIA Reports and ESMP. **Year:** 2023.
- Environmental and Social Scoping Assessments for the Proposed Mineral Prospecting and Exploration Activities on two Exclusive Prospecting Licenses (EPL) No. 8955 situated North of Opuwo Town and 8967 located northwest of Sesfontein in the Kunene Region, Namibia. **Client: Max Kefas Nuseb (under OMAVI Geotechnical & Environmental Services). Responsibilities:** Environmental impact assessments, public & stakeholders' engagement/consultation, Site visits and assessments, compilation of the two EIA Reports and Environmental Management Plans (EMP). **Year:** 2023.
  - Environmental Scoping Assessment (ESA) Study for the Proposed Prospecting and Exploration Activities on Two Exclusive Prospecting Licenses (EPLs) No. 8779 & 8780 located northwest of Sesfontein and EPL-8770 near Opuwo Town in the Kunene Region, Namibia. **Client: Tamarillo Investments (Pty) Ltd. Responsibilities:** Environmental impact assessments, public & stakeholders' engagement/consultation, Site visits, compilation of the two EIA Reports and Environmental Management Plans (EMP). **Year:** 2023.
  - Environmental Scoping Assessment (ESA) Study for the Proposed Prospecting and Exploration Activities on Exclusive Prospecting License (EPL) No. 8838 at Warmbad Settlement in the //Kharas Region, Namibia. **Client: Mistletoe Investments Pty Ltd. Responsibilities:** Environmental baseline assessment, public & stakeholders' engagement/consultation compilation of the EIA Report and Environmental Management Plan (EMP). **Year:** 2023.
  - Environmental & Social Impact Assessment (ESIA) for the Upgrade to Low Volume Bituminous Seal Standard of the DR3425 Ncaute to Karukuvisa Road (87km) in the Kavango East and West Regions. **Client: D&P Consulting Engineers, Archetype Project Consultants, & Tweya Consulting Engineers (DAT-Joint Venture) for Roads Authority of Namibia. Responsibilities:** Site/route Visit & Assessment, Groundwater Supply Assessment, Stakeholder/public engagement (consultation meetings facilitation), compilation of the ESIA Report & ESMP. **Year:** 2023.
  - Environmental Impact Assessment (EIA) Studies for the Proposed Dewatering of the Underground Mine through Asis West (AW) and Asis Far West (AFW) shafts and Underground Exploration & Mining Activities and on Mining Licenses (MLs) No. 73B, 16 & 9 at the Kombat Mine in the Otjozondjupa Region, Namibia. **Client: Trigon Mining Namibia (Pty) Ltd (under Excel Dynamic Solutions (Pty) Ltd). Responsibilities:** Environmental impact assessments, public & stakeholders' engagement/consultation, Site visit, Assessment, compilation of the two EIA Reports and Environmental Management Plans (EMPs), and application of the Groundwater abstraction permit. **Year:** 2022/2023.
  - Environmental Scoping Assessments (ESAs) Studies for the Proposed Prospecting and Exploration Activities on Exclusive Prospecting License (EPL) No. 7582 located North of Omaruru and EPL-8788 west of Uis in the Erongo Region. **Client: Tarah Hainana. Responsibilities:** Environmental impact assessments, public & stakeholders' engagement meeting, Site visits & Assessments, compilation of the EIA Reports and EMPs. **Year:** 2023.
  - Environmental Impact Assessment (EIA) Study for the Establishment of Urban Agricultural Activities on Extension 5 in Karibib, Erongo Region. **Client: Karibib Town Council (under Excel Dynamic Solutions**

- (Pty) Ltd). Responsibilities:** Environmental impact assessment, public & stakeholders' engagement, Site visit & Assessment, compilation of the EIA Report and EMP. **Year:** 2022/2023.
- Development of the Comprehensive Environmental Management Plan (EMP) for the Existing Effluent Treatment Plant in Lüderitz, //Karas Region, Namibia. **Client: Lüderitz Town Council** under Excel Dynamic Solutions (Pty) Ltd. **Responsibilities:** Project Supervision of 2 interns / graduates working on the project, Site Visits and Assessment, Compilation of the Comprehensive EMP. **Year:** 2022-2023.
  - The Physical Environmental Baseline (Soils, Geology, Hydrogeology and Hydrology) for Aquacultural Activities in Dolphin Beach Aqua Park, Walvis Bay in the Erongo Region and for the Maricultural Project Site in Swakopmund, Erongo Region. **Client: KPM Environmental Consultants. Responsibilities:** The Baseline Write-Up of Physical Environment (Soils, Geology, Hydrogeology and Hydrology). **Year:** 2022/2023.
  - Environmental Assessment (EA) for the establishment and operation of Huab Under Canvas (renamed to Camp Doros) southwest of Khorixas in Kunene Region. **Client: Ultimate Safaris (Pty) Ltd** under Resilient Environmental Solutions cc. **Responsibilities:** Environmental impact assessment, stakeholders engagement, Site visit & assessment, compilation of the EA Report and EMP. **Year:** 2023.
  - Desktop Water Resources Assessment as part of the Environmental Impact Assessment (EIA) for the proposed Irrigation Activities in Divundu Settlement, Kavango East Region. **Client: I.N.K Enviro Consultants cc. Responsibilities:** Baseline Assessment of surface & groundwater resources and Compilation of Water Resources Impact Assessment Report. **Year:** 2023
  - Hydrogeological (Groundwater) Exploration Study for the siting of 2 new boreholes on Portion 2 of Farm Omapyu South II No. 76 near Omaruru in the Erongo Region. **Client: Mr. G. Narib. Responsibilities:** Desktop Study, Borehole siting, compilation of the Desktop & Siting Report. **Year:** 2022/2023.
  - Geohydrological/Hydrogeological Assessment Report as part of the Environmental Impact Assessment (EIA) for the Proposed Mining Activities on the Mining Licence (ML) No. 247 (ML-247) located northeast of Karibib in the Erongo Region, Namibia. **Client: Africa Big Rhino Mining (Pty) Ltd. Responsibilities:** Site visit, Assessment, compilation of the Groundwater Assessment Report. **Year:** 2022. The compilation of the Technical Report for the Application of Groundwater Abstraction & Use Permit. **Year:** 2023.
  - Hydrogeological Assessment Study for the proposed New Landfill within the Karibib Townlands of the Erongo Region, Namibia. **Client: Karibib Town Council. Responsibilities:** Site visit, Data collection & analysis, compilation of the Groundwater Impact Assessment Report. **Year:** 2022.
  - Amendment of the Environmental Impact Assessment (EIA) & Development of the Environmental Management Plan (EMP) for the Road Design for the Proposed Upgrade to Bitumen Standard of the DR3633 Tsandi-Omugulugombashe road (22km) in the Omusati Region, Namibia. **Client: D&P, Archetype and Tweya (DAT-Joint Venture)** for Roads Authority of Namibia. **Responsibilities:** Updating the EIA Report and EMP to incorporate the borrow pits. **Year:** 2022.
  - Desktop Hydrological & Hydrogeological Assessment Study for the Construction (Establishment) and Operation of a Bulk Fuel Storage Facility at the Eros Airport, Windhoek in the Khomas Region, Namibia. **Client: Central Oil Namibia (Pty) Ltd. Responsibilities:** Compilation of the Water Resources Impact Assessment Report. **Year:** 2022.
  - Socio-economic Impact Assessment (and Action Plan) for B2Gold Otjikoto Mine (current status and mine closure preparation) in the Otjozondjupa Region, Namibia. **Client: Southern African Institute for Environmental Assessment (SAIEA) for B2Gold Namibia. Responsibilities:** Conducting Employee

Interviews (One-on-One) / Socio-Economic Surveys with the B2Gold Namibia (Otjikoto Mine) employees from the Mining, and Environmental Departments / Sections (for the representative sample of 330 employees).

**Year: 2022**

- Hydrogeological Impact Assessment Report for the Proposed Establishment of a Mixed Residential and Commercial Property Development (Avis Ridge) at Avis Dam of the Klein Windhoek Suburb, Windhoek – Khomas Region, Namibia. **Client: OMAVI Geotechnical & Geo-Environmental Consultants cc for KHD Investments CC. Responsibilities:** Site visit, Data collection & analysis, compilation of the Groundwater Assessment Report. **Year: 2022**
- Feasibility Study: Upgrading Scenario for MR033 Mata-Mata Border Post - Gochas -Stampriet (291 Km) in the Hardap Region and small part of //Karas Region, Namibia. **Client: Archetype Project Consultants, D&P Consulting Engineers & Amir Consulting Services (ADA-Joint Venture) for Roads Authority. Responsibilities:** Site Visit & Assessment, Hydrogeological Impact Assessment, Co-Author of the Environmental & Social Impact Assessment (ESIA) Report & Management Plan (ESMP). **Year: 2022**
- The Strategic Environmental Assessment (SEA) for the Windhoek Municipal Council (City of Windhoek). In the Khomas Region: Strategic Planning for 2020 to 2023. **Client: Windhoek Municipal Council (City of Windhoek). Responsibilities:** Compilation of the Hydrogeological (Groundwater) Baseline Status Quo, Impact Assessment & Implementation. **Year: 2021-2023.**
- Environmental Scoping Assessment Study for the Proposed Mineral Prospecting & Exploration Activities on five (5) Exclusive Prospecting Licenses (EPLs) No. 8655, 8656, 8664, 8671 & 8672 located northeast of Gobabis in the Omaheke Region, Namibia. **Client: Noronex Exploration and Mining Company Pty Ltd, under Excel Dynamic Solutions (Pty) Ltd. Responsibilities:** Site visit & Assessment, Facilitation of Public Participation & Engagement and Compilation of Environmental Assessment Report & EMP. **Year: 2022**
- Comprehensive Environmental Management Plans (EMPs) for the Existing Solid Waste Dumpsites: Rehoboth in the Hardap Region and Rundu in the Kavango East Region, Namibia. **Client: Rehoboth Town Council & Rundu Town Council** under Excel Dynamic Solutions (Pty) Ltd. **Responsibilities:** Site Visits & Assessments, Data Collection & Analysis, Compilation of Comprehensive EMPs, Project Supervision of the interns / environmental trainees on the projects, and Project Documents Review. **Year: 2022**
- Environmental Impact Assessment (EIA) Study and Development of an Environmental Management Plan (EMP) for the Proposed Oniipa Town Solid Waste Dumpsite in the Oshikoto Region, Namibia. **Client: Oniipa Town Council** under Excel Dynamic Solutions (Pty) Ltd. **Responsibilities:** Site Selection, Visit & Assessment, Facilitation of Public/Stakeholders Consultation & Engagement (including Consultation Meetings), Compilation of the EIA Report & EMP, Project Supervision of the intern / environmental trainee on the project, and Project Documents Review. **Year: 2022 – ongoing.**
- Environmental Impact Assessment (EIA) Study for the Oxidation Ponds and Sewage Treatment Plant in Eenhana Town, Ohangwena Region, Namibia. **Client: Eenhana Town Council** under Excel Dynamic Solutions (Pty) Ltd. **Responsibilities:** Project Supervision of 4 interns / graduates working on the projects, Site Visits and Assessments, Project Documents Review. **Year: 2022-ongoing**
- Development of the Environmental Management Plan (EMP) for the Existing Effluent Treatment Plant in Lüderitz, //Karas Region, Namibia. **Client: Lüderitz Town Council** under Excel Dynamic Solutions (Pty) Ltd. **Responsibilities:** Project Supervision of 4 interns / graduates working on the projects, Site Visits and Assessments, Project Documents Review. **Year: 2022 -current. Year: 2022.**

- Environmental and Social Impact Assessment (ESIA) for the Upgrade of the Ohangwena II Wellfield Water Supply Scheme in the Ohangwena Region, Namibia. **Client: NamWater** under Outrun Consultants cc. **Responsibilities (Subcontractor):** Preliminary Public & Stakeholders' Consultation Meetings Facilitation, Site Visit and Assessments. **Year: 2022.**
- Baseline Water Resources Assessment & Environmental and Social Impact Assessment (ESIA) for the Upgrade of the Ohangwena II Wellfield Water Supply Scheme in the Ohangwena Region, Namibia - as part of the Namibia Water Sector Support Program (NWSSP). **Client: Namibia Water Corporation Limited (NamWater) (under Outrun Consultants CC and Element Consulting Engineers).** **Responsibilities:** Public & Stakeholders' Consultation Meetings Facilitation (6 meetings), Site Visit & Assessments, and contributing author of the ESIA documents. **Year: 2022-2023.**
- Development of the Environmental Compliance Guideline Manual for the Flexible Land Tenure System (FLTS) Implementation by the Relevant Authorities in Namibia. **Client: Ministry of Agriculture, Water and Land Reform (supported by GIZ Namibia under D&P Engineers and Environmental Consultants).** **Responsibilities:** Compilation of the Guideline Manual and preparation of the Draft FLTS Manual Presentation. **Year: 2022.**
- Environmental Scoping Assessment (ESA) Study for the Construction, Operation and Decommissioning of a New Waste Dumpsite for the Helao Nafidi Town Council, Ohangwena Region, Namibia. **OMAVI Geotechnical & Geo-Environmental Consultants CC (O. B. O Helao Nafidi Town Council).** **Responsibilities:** Compilation of the ESA Report and Environmental Management & Rehabilitation Plan (EMRP). **Year: 2022**
- Environmental Impact Assessment Study for the Proposed Prospecting and Exploration Activities on Exclusive Prospecting License (EPL) No. 7603 Located Northwest of Usakos and EPL-7153 near Karibib in the Erongo Region. Client: **Dwyka Investment CC.** **Responsibilities:** Site visits & Assessments, Facilitation of Public Participation & Engagements and Compilation of EIA Reports & EMPs. **Year: 2023**
- Environmental Impact Assessment Study for the Proposed Prospecting and Exploration Activities on Exclusive Prospecting License (EPL) No. 8713 Southwest of Helmeringhausen in the //Karas Region. Client: **Loudima Resources (Pty) Ltd.** **Responsibilities:** Site visit & Assessment, Facilitation of Public Participation & Engagement meeting and Compilation of EIA Report & EMP. **Year: 2023**
- Renewal, Amendment and Transfer of the Environmental Clearance Certificate (ECC) for the Continued Operation of the Existing Walvis Bay Stone Processing Facility on Farm No. 38 and Reclamation / Rehabilitation of an Abandoned Quarry within the Walvis Bay Rural Constituency, Erongo Region, Namibia. **Client: OMAVI Geotechnical & Geo-Environmental Consultants CC (O. B. O BC Stone Products Namibia (Pty) Ltd).** **Responsibilities:** Compilation of the ECC Renewal, Transfer & Amendment Applications, Environmental Overview, Management & Rehabilitation Plan (EMRP), Public/Stakeholder Updated & Consultation Facilitation, and Site visit & assessment. **Year: 2022**
- Environmental Assessment for the Proposed Construction and Operation of Four Oxidation Ponds in the Tses Village, //Karas Region. **Client: Dunamis Consulting Engineers & Project Managers (Pty) Ltd.** **Responsibilities:** Site visit & Assessment, Facilitation of Public Participation and Compilation of Environmental Assessment Report & EMP as well Bi-Annual Environmental Monitoring. **Year: 2021 - 2023**
- Geohydrological Assessment for the Proposed Upgrade to Bitumen Standard of the DR1953 Karibib-Otjimbingwe Road (56km) in the Erongo Region, Namibia: Road Construction Water Supply. **Client: Tweya**

- Consulting Engineers for Roads Authority of Namibia.** Responsibilities: Data collection & analysis, compilation of the Groundwater Report. **Year:** 2021
- Geohydrological Assessment for the Proposed Upgrade to Bitumen Standard of the DR3616 Tsandi-Onesi-Epalela road (48km) in the Omusati Region, Namibia: Road Construction Water Supply. **Client: D&P, Archetype and Tweya (DAT-Joint Venture) Consulting Engineers for Roads Authority of Namibia.** **Responsibilities:** Data collection & analysis, compilation of the Groundwater Report. **Year:** 2021
  - Detailed Environmental Assessment for the proposed exploration and mining of dimension stone on Mining Claims No. 71609 to 71617 near Arandis in the Erongo Region, Namibia. **Client: OMAVI Geotechnical & Geo-Environmental Consultants CC (O.B.O Okonde Mining and Exploration CC).** **Responsibilities:** Facilitation of Public Participation, Compilation of Environmental Assessment Report & EMP and incorporating specialists' input into the Report and EMP. **Year:** 2021
  - Desktop Geohydrological Assessment (DGA): Proposed Groundwater Abstraction for Agricultural activities along the Orange River between Oranjemund (Namdeb Mining area) and Rosh Pinah in the Oranjemund Constituency, //Karas Region, Namibia. **Client: KPM Environmental Consulting (O.B.O Oranjemund Constituency Office).** **Responsibilities:** Baseline Geohydrological Assessment, Data Analysis and Compilation of the Report. **Year:** 2020
  - Hydrogeochemical Data Management of Potential Hydrocarbon Contamination Areas for the Kladno District Project in the Central Bohemian Region, Czech Republic. **Client: Green Gas DPB a.s** (under the VSB Technical University of Ostrava). **Responsibilities:** Groundwater and soil chemistry Data Analysis in Preparation for Reporting & Database entry. **Year:** 2020
  - Groundwater Data Management for the Prackovice D8 (highway) Landslide Project in the Litoměřice District, Ústí nad Labem Region of the Czech Republic. **Client: Czech Geological Survey** under VSB-Technical University Ostrava projects. **Responsibilities:** Borehole Data Analysis in Preparation for Reporting & Numerical Modelling. **Year:** 2020
  - Environmental Scoping Assessment (ESA) Studies for the Proposed Exploration Activities of Dimension Stone and Industrial Minerals on Exclusive Prospecting Licenses (EPLs) 6139 and 7008 near Karibib in the Erongo Region, Namibia. **Client: OMAVI Geotechnical & Geo-Environmental Consultants CC (O.B.O Agulhas Mineral Resources CC & Naris Mineral Resources CC,** respectively). **Responsibilities:** Facilitation of Public Participation and Engagements, Site visits & assessments, Compilation of Environmental Assessment Reports & EMPs. **Year:** 2020
  - Desktop Water Resources Assessments as part of the two Environmental Impact Assessments (EIAs) for the Embankment of Muzii and Nankuntwe Combined School Platforms in the Zambezi Region, Namibia. **Client: I.N.K Enviro Consultants (O.B.O Zambezi Regional Council).** **Responsibilities:** Baseline Assessment of surface & groundwater resources and Compilation of Water Resources Risk Assessment Reports. **Year:** 2020
  - Desktop Geohydrological Assessment (DGA) as part of the Environmental Impact Assessments (EIA) - The Proposed Eco-Friendly Seawater Desalination Plant in Henties Bay, Erongo Region, Namibia. **Client: Namib Eden Trading CC.** **Responsibilities:** Desktop Study and Compilation of the Water Impact Resources Report. **Year:** 2019/2020
  - Desktop Geohydrological Assessments as part of the Environmental and Social Impact Assessments (ESIAs) for the Proposed Pilot Desalination Plants in Bethanie Town and Grünau Settlement in the //Karas Region,

- Namibia. **Client: KPM Environmental Consulting (O.B.O NamWater).** **Responsibilities:** Baseline Geohydrological Assessment, Data Analysis and Compilation of the two Reports. **Year:** 2019
- A Strategic Environmental and Social Assessment (SESA) / Environmental and Social Management Framework (ESMF) for the Namibia Water Sector Support Program (NWSSP), Namibia. **Client: African Development Bank Group (AfDB) with the Ministry of Agriculture, Water and Land Reform (MAWLR).** **Responsibilities:** Baseline Hydrogeological and Environmental Assessment, Reports & Framework Compilation, Key Stakeholders Engagement, and Internal Documents Review. **Year:** 2019/2020
  - Environmental Assessment (EA) for the proposed Construction and Operation of a Wastewater Treatment Plant for Linus Shashipapo Secondary School in the Kavango East Region, Namibia. **Client: Dunamis Consulting Engineers & Project Managers.** **Responsibilities:** Project Management, Site visit & Assessment, Facilitation of Public Participation (including public meeting) and Compilation of Environmental Assessment Report & EMP. **Year:** 2019
  - Hydrogeological Assessment and Groundwater Abstraction and Use Permit Application & Environmental Scoping Assessment for the proposed Lucerne Irrigation Scheme on Farm Klein Nabas 137 (Marlo Portion) near Stampriet, Hardap Region, Namibia. **Client: Green Team Consultants (O.B.O Jonkheer Boerdery Pty Ltd).** **Responsibilities:** Site visit and assessment, Compilation of Desktop Groundwater Report and Technical Report for Groundwater Permit application and Environmental Assessment Report & EMP. **Year:** 2019
  - Hydrogeological Study for the Expansion of Tsumeb Smelter Monitoring network (new boreholes) in the Oshikoto Region, Namibia. **Client: Dundee Precious Metals Tsumeb (DPMT).** **Responsibilities:** Borehole siting (geophysical survey), Drilling & borehole construction supervision & data analysis. **Year:** 2018
  - National Environmental Assessment for the MTC Namibia 100% Population Coverage: Proposed new 554 network towers / sites in all the Regions of Namibia. **Client: Mobile Telecommunications Limited (MTC Namibia).** **Responsibilities:** Facilitation of (Northern Regions) Regional Focused Consultation Meetings, Compilation of 14 Draft & 14 Generic EMPs, Site visits, Landscape (soil, topography, hydrology, and geohydrology) specialist, and Environmental Assessment Reports. **Year:** 2017-2018
  - Updating of the Numerical Groundwater Flow Model for the Lower Kuiseb River Aquifers near Walvis Bay, Erongo Region, Namibia. **Client: Namibia Water Corporation Limited (NamWater).** **Responsibilities:** Co-Training of NamWater Project Staff (Modelling) and Data Collection & Collation, assisted with the updating of the numerical model, and overall Model Update Report Compilation. **Year:** 2018
  - Groundwater Monitoring as part of Environmental Audit and Groundwater abstraction & use permit license renewal for Okatji Mine, Erongo Region, Namibia. **Client: Okatji Marble Mine cc.** **Responsibilities:** Compilation of Groundwater Abstraction Permit Report, Training of mine personnel on EMP implementation and groundwater level measurement & sampling and Environmental monitoring report. **Year:** 2017/2018
  - Dust monitoring for Otjozondu Mine for a period of 6 months (Aug 2017 to Jan 2018). **Client: Otjozondu Mining (Pty) Ltd.** **Responsibilities:** Training of Site Personnel on bucket installation at site, Monitoring and Monthly Air Quality Report Compilation. **Year:** 2017-2018.
  - Oranjemund Water Sustainability Study Phase 1 & 2, //Karas Region, Namibia. **Client: Fredthinkers.** **Responsibilities:** Data Analysis, Hydrogeochemical Component & Report Compilation (contributing author). **Year:** 2017
  - Geohydrological Investigation of the Groundwater Resources at Outjo and the Possible Impact of the Development of 60 New Residential Plots in the Kunene Region, Namibia. **Client: Municipality of Outjo.**

**Responsibilities:** Field Investigation, Project Management, Data collection & Analysis Technical Report Compilation and Client Liaison. **Year:** 2016

- Groundwater Quality Assessment for Sambyu Village Water Supply Scheme, Kavango East Region, Namibia. **Client: Iiso Consulting Namibia** O.B.O NamWater. **Responsibilities:** Groundwater sampling, Site visit, Groundwater impact assessment, Compilation of groundwater quality report and Project management. **Year:** 2017.
- Groundwater Monitoring and Sampling for the De Brochen Project in the Limpopo Province, South Africa. **Client: Anglo American Platinum.** **Responsibilities:** Groundwater Level measurement, Surface water sampling. **Year:** 2016
- Environmental Hydrocarbon Contamination Assessments Phase 1 for Interchain Logistics and Nulaid Fuel Stations in Johannesburg, Gauteng Province, South Africa. **Client: SASOL.** **Responsibilities:** Site Inspection, Measurement of water levels in tank observation wells, Soil Augering, sampling and co-reporting. **Year:** 2016
- Groundwater Pollution and Level Monitoring and Sampling. **Client: Dundee Precious Metals** Tsumeb (DPMT) in the Oshikoto Region, Namibia. **Responsibilities:** Hydrocensus, Borehole profiling and Data analysis. **Year:** 2015 to 2017
- Skorpion Zinc Mine Closure Plan in the //Karas Region, Namibia. **Client: Skorpion Zinc (Pty) Ltd.** **Responsibilities:** Compilation of Mine Closure Report, Geochemical and Groundwater input, Integrating specialists' inputs in EIA report. **Year:** 2015

#### **KEY ENERGY INFRASTRUCTURE PROJECTS' ENVIRONMENTAL ASSESSMENT STUDIES**

- Environmental Impact Assessment (EIA) Supplementary Study to meet IFC Standards – Proposed Construction and Operation Of a 55MW Solar Photovoltaic (PV) Plant and Associated Infrastructures on a Portion of Portion 2 of Farm Klein Spitskop No. 153 near Keetmanshoop, ||Kharas Region. **Client: SolNam Energy (Pty) Ltd.** **Responsibilities:** Compilation of the Background Information Document (BID), facilitation of public & stakeholders' engagement/consultation meeting, Site visit and assessment, Compilation of the Stakeholder Engagement Plan (SEP), supplementary EIA Report and Environmental Management Plan (EMP). **Year:** 2023.
- Bi-Annual Environmental Monitoring (October 2023 onwards) for the Construction of the Cleanergy Green Hydrogen Demonstration Plant (GHDP) in Walvis Bay Town of the Erongo Region, Namibia. **Client: Cleanergy Solutions Namibia (Pty) Ltd (a JV between Ohlthaver & List and CMB.TECH).** **Responsibilities:** Site Visit & Auditing, Observations, conducting personnel interviews on Environmental Compliance, and Compilation of the Monitoring Report. **Year:** 2023.
- Environmental Impact Assessment Study and Development of the Environmental Management Plan for the proposed Cleanergy Green Hydrogen Demonstration Plant Environmental Impact Assessment, Walvis Bay, Namibia. **Client: Client: Cleanergy Solutions Namibia (Pty) Ltd (a JV between Ohlthaver & List and CMB.TECH).** **Responsibilities:** Project Consultant under SRK Consulting South Africa) (Pty) Ltd. **Year:** 2022.
- Environmental Impact Assessment (EIA) for the Environmental Clearance Certificate (ECC) of the Construction and operational activities of a 5-megawatt (MW) Solar (Photovoltaic) Power Plant and ongoing Bi-Annual Environmental Monitoring in Okatope, Oshikoto Region, Namibia. **Client: Unisun Energy (Pty) Ltd**

- (Enertronica Santerno Group (Italy)). Responsibilities:** Environmental Clearance Certificate Renewal Report, Site Visit, Environmental Compliance Check, Project Management, and Continued Environmental auditing. **Year:** 2021 to date.
- Environmental Impact Assessment (EIA) amendment for the ECC of the 22.80 Mega-Watt (MW) Trekkopje Solar (Photovoltaic) Park and ongoing Bi-Annual Environmental Monitoring near Arandis in the Erongo Region, Namibia. **Client: Sertum Energy Namibia Pty Ltd. Responsibilities:** Compilation of the ECC Renewal Report/Updating the EMP, Site Assessment, Project Management, and Continued / Ongoing Bi-Annual Environmental Auditing. **Year:** 2020 to date.
  - Comprehensive Draft Environmental Management Plan (EMP) for the Operations and Maintenance of the Existing 3-Megawatt (MW) Solar Photovoltaic (PV) Park within the Townlands of Arandis in the Erongo Region, Namibia: An Application for Environmental Clearance Certificate (ECC). **Client: OLC Arandis Solar Energy Pty Ltd. Responsibilities:** Site Visit & Auditing, Compilation of the Comprehensive EMP and Project Management. **Year:** 2022.
  - Environmental Scoping Assessment (ESA) for the Proposed Construction and Operation of a 125km 33kv Overhead Power Distribution Line from Maroelaboom to Mangetti Dune in the Otjozondjupa Region. **Client: Central North Regional Electricity Distributor (CENORED). Responsibilities:** Environmental impact assessment, public & stakeholders engagement, Site/route visit, Assessment, compilation of the EIA Report and EMP. **Year:** 2020.
  - Environmental Assessment (EA) for the establishment and operation of Camp Onduli (Onduli Ridge) near Khorixas in Kunene Region. **Client: Ultimate Safaris (Pty) Ltd** under Resilient Environmental Solutions cc. **Responsibilities:** Environmental impact assessment, public & stakeholders engagement, Site visit & assessment, compilation of the EA Report and EMP. **Year:** 2019.
  - Environmental Assessments of two 66 kV powerlines for the Solar PV sites near Keetmanshoop, //Karas Region and Mariental, Hardap Region, Namibia. **Client: Greenam Electricity (Pty) Ltd. Responsibilities:** Compilation of Environmental Assessment Reports & EMPs and Public Consultation. **Year:** 2017.

## REFERENCES

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**Certification:**

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my educational qualifications, and professional experience.



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Signature

**Date: 27 June 2024**

# EAPAN



ENVIRONMENTAL ASSESSMENT PROFESSIONALS OF NAMIBIA

## ***PROFESSIONAL MEMBERSHIP 2024***

*This is to certify that*

*Fredrika Shagama*

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*Is a registered member of EAPAN under the following  
membership category*

***“PRACTITIONER”***

A handwritten signature in black ink, appearing to be 'H. Shagama'.

*President*

A handwritten signature in black ink, appearing to be 'H. Petrus'.

*Secretary*

***Membership No: 183***

*Valid from 01 January 2024 to 31 December 2024*