



Curriculum Vitae

Contact Details

Name: Karin Elizabeth Maletzky
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Personal Summary

I am a seasoned mining industry professional with over 19 years of expertise in the offshore diamond and uranium sectors. I transitioned from corporate roles to pursue entrepreneurial ventures in 2023, driven by a passion for adding value to the mineral resource value chain. I am committed to leveraging experience and insights to innovate and drive success in the mining sector. I describe myself as an energetic, result-oriented and well-disciplined individual who embodies the core values of respect, teamwork, integrity and excellence. I am an official member and the Executive Director for Industrialisation of the Emerging Mining Association of Namibia since 2021.

Areas of Expertise

- Health, Safety & Environment (HSE) Management
- People Management
- Financial Management
- Contractor Management
- Risk Management
- Performance Improvement

Employment History

Employer Name: Rössing Uranium Limited
Start Date: August 2018
End Date: May 2023
Current Position: Superintendent Tailings Storage Facility & Water Management, Processing Operations

Responsibilities/Achievements

- Maintain Health, Safety & Environmental Standards
- Plan & manage the design, construction, operation and monitoring of the tailings, water storage and reticulations and seepage control systems in compliance with permits from the regulators
- People Management
- Contractor Management
- Cost Control & Budgeting
- Communicate with NAMWATER about freshwater requirements
- Continuous Improvement & Sustainability
- Successfully completed the Management Development Programme from the University of Stellenbosch Business School Executive Development in February 2021
- Attended the Rio Tinto Global Tailings Face-to-Face workshop held in Salt Lake City, Utah (USA) in July 2018

Employer Name: Rössing Uranium Limited
Start Date: August 2014
End Date: July 2018
Current Position: Superintendent Ore Supply, Mining Operations

Responsibilities/Achievements

- Maintain Health, Safety & Environmental Standards
- Production Management & Mine Monitoring & Control (MM&C) System Ownership
- Ensure safe and efficient delivery of ore to Processing Plant in terms of tonnage, U3O8 grade and Calc Index
- People Management
- Contractor Management
- Cost Control & Budgeting
- Continuous Improvement & Sustainability
- Team Membership/Leadership Awards (Functional & Rössing levels) in 2017

Employer Name: Rössing Uranium Limited
Start Date: December 2013
End Date: July 2014
Current Position: Superintendent Mine Geology

Responsibilities/Achievements

- Assist Chief Geologist in the development of strategic plans and formulate and plan drilling, sampling and pit mapping programmes
- Conduct Grade Control drilling, blast hole sampling and in-pit mapping programmes
- Manage geological support to Planning and Production Teams
- Lead reconciliation process on site
- Ensure all data is quality controlled, validated and stored digitally in acQuire database

- Continually improve departmental performance using sound data-based analysis methods
- Develop and coach staff in the technical and functional competencies
- Lead HSEC in the workplace
- Collaboration with other Superintendents in Geology Department and stakeholders internal and external to Rössing Uranium
- Reporting and Communication

Employer Name: Rössing Uranium Limited
 Start Date: December 2010
 End Date: November 2013
 Current Position: Grade Control Geologist, Mine Geology
 Responsibilities/Achievements

- Successfully completed classroom training and 1st business improvement project associated with the Rössing Uranium Limited's LeanSixSigma DMAIC Training Programme for Change Leaders/Green Belts in 2013
- One of three candidates chosen for knowledge-sharing trip to Pilbara Iron Ore Operations in Australia in 2012
- Acted as Superintendent Mine Geology
- Assist with development of strategic plan (SOAP) for Mine Geology Section
- Overseeing of in-pit RC drilling programme
- Reconciliation of Geological Models vs. Mine and Processing Performance
- Blast hole Modelling in ISATIS
- Error free Production (SJ) Database
- Defining Ore Composites
- Truck Scanner Control
- Maintaining the QAQC systems for blasthole data
- Supervision of Graduate Geologists and direct reports
- Training and mentoring of Graduate Geologists
- Continuous improvement of processes and report writing
- Audit and HSEI Performance

Employer Name: Rössing Uranium Limited
 Start Date: May 2010
 End Date: November 2010
 Current Position: Resource Evaluation Geologist, Mine Geology
 Responsibilities/Achievements

- Participant in the Rio Tinto Frontline Leadership Programme
- Attended the Resources and Reserves CP Conference in Palabora, South Africa
- Reconciliation of Geological Models vs. Mine and Processing Performance
- Blast hole Modelling in ISATIS
- Error free Production (SJ, SK4) Database
- Evaluation of exploration data
- Continuous improvement of processes and report writing
- Audit and HSEI Performance

Employer Name: Rössing Uranium Limited
 Start Date: January 2008
 End Date: April 2010
 Position: Grade Control Geologist, Mine Geology

Responsibilities/Achievements

- Reconciliation of Geological Models vs. Mine and Processing Performance
- Error free Production (SJ) Database
- Defining Ore Composites
- Truck Scanner Control
- Maintaining the QAQC systems for blast hole data
- Core Logging
- Supervision of direct reports
- Audit and HSEI Performance

Employer Name: Rössing Uranium Limited

Start Date: November 2005

End Date: December 2007

Position: Graduate Grade Control Geologist, Mine Geology

Responsibilities/Achievements

- Responsible person for Safety File
- Defining Ore Composites
- Truck Scanner Control
- Blast hole Sampling
- QAQC of Blasthole data
- Weekly reporting of Mine vs. Processing U3O8 and Calc Index grades comparisons
- HSEI Performance

Employer Name: Sakawe Mining Corporation (SAMICOR)

Start Date: March 2004

End Date: September 2005

Position: Junior Offshore Geologist

Responsibilities/Achievements

- Ensure that samples are properly drilled
- Communicate sample positions and technical parameters to Control Room
- Ensure efficient sampling
- Log sample holes
- Decide when to terminate the drilling of the holes
- Enter sampling data into Database
- Ensure samples are properly treated in the Diamond Recovery Plant
- Sort the super-concentrate, count and weigh the number of diamonds for each sample
- Report daily production to Head Office (Windhoek)

Education/Qualifications

Institution: University of Cape Town Online Short Course

City/Country: South Africa

Course: Project Management Foundations: An Organisational Perspective

Completed: 2024

Institution: University of Stellenbosch Business School Executive Development
City/Country: South Africa
Qualifications: Management Development Programme
Completed: 2021

Institution: University of Namibia (UNAM)
City/Country: Namibia
Qualifications: Bachelor of Science Majors: Geology and Economics
Completed: 2003

Institution: Red Cross Nordic United World College
City/Country: Norway
Qualifications: International Baccalaureate Certificate
Completed: 1997

Skills Summary

Non-Technical Skills: Rio Tinto HSEC PFI/SPI Essential Factors
Rio Tinto Taproot Investigation
Rössing Uranium Limited Kepner Fourie Problem Solving
Rössing Uranium Limited Communication & Presentation
Running Rössing Today – Simulation
Rössing Uranium Limited Initiating & Chairing Disciplinary Hearing
Rössing Uranium Limited Labour Act Training
Rössing Uranium Limited Business improvement (LeanSixSigma-DMAIC Training)
Rössing Uranium Limited Frontline Leadership Programme
Rössing Uranium Limited Trainer for Management Essentials for Supervisors Programme

Software Skills: Microsoft Word
Microsoft Excel
Microsoft PowerPoint
Minesight
Acquire Database
Modular DISPATCH System
Internet

Interests/Hobbies:

Entrepreneurship, Project Management and ESG (Environment, Social & Governance)
Philanthropy, Hiking, Swimming, Cycling & Travelling

Associations/Clubs:

Emerging Mining Association of Namibia (EMAN)
Oranjemund Hiking Club

References

Name: Mrs Liezl Davies
Organisation: Rössing Uranium Limited
Position: General Manager Human Capital, Safety & Sustainability
Contact Telephone: +264 64 520 3402
+264 81 143 1516
Contact Email: liezl.davies@rossing.com.na

Name: Mr Rodney Khoëseb
Company: Rössing Uranium Limited
Position: Manager Processing Operations
Contact Telephone: +264 64 520 2267
+264 81 150 1080
Contact Email: rodney.khoeseb@rossing.com.na

Name: Mr Samuel Franz
Company: Capacity Unleashed
Position: Coaching Consultant
Contact Telephone: +264 81 857 0979
Contact Email: samuelafranz@gmail.com

Name: Dr Pierré Smit

Current profession: Environmental Consultant

Date of Birth: 6 April 1963

Nationality: Namibian

Family: Married to Sugnet (37 years) with two children, Anja and Willem

Countries of work experience: Namibia, South Africa, Germany (Research)



Education:

Institution:	Ruhr Universität Bochum, Germany / UNAM, Namibia
Date:	- April 2006
Degree(s) or Diploma (s) obtained:	PhD (Landscape Ecology)
Institution:	University of Stellenbosch, South Africa
Date:	February 1982 - March 1991
Degree(s) or Diploma (s) obtained:	BA, BA Hons, HED, MA (Geography)

Certified copies of Dr Smit's qualifications are available on request.

Languages:

Language	Speaking	Reading	Writing
English	<i>Excellent</i>	<i>Excellent</i>	<i>Excellent</i>
Afrikaans	<i>Excellent</i>	<i>Excellent</i>	<i>Excellent</i>
German	<i>Fair</i>	<i>Good</i>	<i>Poor</i>

Employment Record:

Date:	December 2018 - present
Employer:	Self-employed as environmental consultant, associated with Namisun
Position held:	Environmental Assessment Practitioner
Date:	January 2015 to November 2016
Employer:	Langer Heinrich Uranium
Position held:	Land use and mine rehabilitation specialist, Department of Environmental Management
Date:	August 2008 to November 2014
Employer:	Rössing Uranium Limited
Position held:	Senior Advisor: Sustainable Development; Team Leader: Environmental Management
Date:	August 1995 to June 2014
Employer:	University of Namibia
Position held:	Senior Lecturer and Researcher, Head of Department of Geography and Environmental Studies

Studies and research abroad:

2007: Research Stay and Study Visit for University Academics and Scientists to Germany (Ruhr Universität, Bochum) DAAD
2002: United Nations International Training Course on Remote Sensing Education for Educators (Universitet Stockholm) UNDP/SIDA
1998 – 1999: Long-term Sandwich Fellowship (for PhD-studies at the Ruhr Universität, Bochum) DAAD
1997: Research Stay and Study Visit for University Academics and Scientists to Germany (Ruhr Universität, Bochum) DAAD

Experience:

Dr Smit is a born and bred Namibian of European descent. His parents were farmers, and he grew up in small villages and a rural part of Namibia before he went to the University of Stellenbosch in South Africa to study.

Qualified with a MA in Geography, he returned to Namibia where he commenced with a career in environmental consulting. In 1992 he was part of the Namibian delegation to the Earth Summit in Rio de Janeiro and part of a team to compose Namibia's Green Plan, the Environmental Impact Assessment (EIA) Policy of Namibia and Namibia's First 10-year Strategic Plan of Action for Sustainable Development through Biodiversity Conservation. In 1995 he joined the Department of Geography and Environmental Studies at the University of Namibia, where he lectured Climatology, Geomorphology, Biogeography and Environmental Studies. He specialized in Landscape Ecology and gradually introduced the lecturing of applied science in crosscutting and multidisciplinary modules such as Environmental Assessment, Urban and Regional Development, Sustainable Development and Environmental Planning to post-graduate students. As such he also supervised and mentored post-graduate students at the Masters- and PhD-level.

After his career in education (1995 – 2008) Dr Smit joined the mining sector where he worked in the fields of Environmental Management, Sustainable Development, Rehabilitation and Mine Closure Planning until 2016.

Dr Smit and his wife took a sabbatical in 2017 to celebrate 30 years of married life, travelled the Far East and returned to Swakopmund in Namibia where they still reside. Since 2018 he consults for several companies in the fields of Environmental Management, Environmental Impact Assessment and Auditing, Strategic and Master Urban and Regional Development Plans, Competency Training, Mine Closure Planning, and Sustainable Development.

His fields of expertise include, but are not limited to:

- Lecturing at a tertiary education institution in Geography, Landscape Ecology, Environmental Assessment and Environmental Planning.
- Research on environmental change and community-based management of natural resources.
- Practicing Environmental Assessment: Social and Environmental Impact Assessments (SEIAs) and the development and implementation of Environmental Management Plans (EMPs).
- Managing the environment: Environmental Management Systems (EMS); Environmental Compliance, development and implementation of environmental policies, procedures and protocols; conducting audits.
- Planning: Gap Analysis, Environmental Screening and Environmental Sensitivity Analysis; Risk Assessment; Mine Closure Planning; Rehabilitation Planning; Business Development and Business Improvement Planning; Green Economy Development; Community Relations Management; Strategic and Master Development Planning.
- Sustainable development: Due Diligence (e.g., Equator Principles, Millennium Goals, Internal and GRI Reporting, IFC standards); Forest Stewardship Council (FSC); Good Governance; Environmental Stewardship.

As a team leader, Dr Smit supervised environmental specialists – both in the mining industry and at an institution of higher education. He has many years of experience in performance management, business improvement and innovation, corporate

governance, and strategic planning. Being a landscape ecologist and geographer by profession, Dr Smit is conversed with the fields of Climatology, Climate change and Air Quality; Biodiversity, Landscape Ecology and Rehabilitation; Waste Management (including Hazardous Substances); Land Use Planning and Management; Strategic and Master Plans for Urban and Regional Development; and Environmental Change (because of human impacts). He is also very well accustomed with the diversity of arid environments, as a researcher, excursion and tour leader, avid traveller, and environmental consultant, which he applies from time-to-time as a specialist tour guide. A list of publications can be provided on request.

Professional projects as an environmental consultant:

Name of assignment / project:	Amendment application for the proposed Heap Leach Facility at Swakop Uranium's Husa Mine
Year:	November 2024 - ongoing
Client:	Swakop Uranium
Activities performed:	Internal environmental screening report in preparation of an amendment application process (part of the EIA team)

Name of assignment / project:	Update of the Draft 2012 SEIA for the proposed mining and associated activities of Rössing's Z20 uranium deposit and ECC application process
Year:	November 2024 - ongoing
Client:	Rössing Uranium Limited
Activities performed:	Internal environmental screening report (part of the EIA team)

Name of assignment / project:	Environmental Performance Audit and Report for Rent-A-Drum
Year:	August - September 2024
Client:	Rent-A-Drum (Pty) Ltd
Activities performed:	2024 EMP Compliance Audit of the Swakopmund and Walvis Bay sites of Rent-A-Drum

Name of assignment / project:	Environmental consulting services for the Project: "Solid Waste Management in Protected Areas"
Year:	August 2024 - ongoing
Client:	GOPA Infra GmbH
Activities performed:	Environmental consultancy – input to the baseline analysis and inception report, questionnaire and workshop

Name of assignment / project:	Scoping (including impact assessment) Report for the proposed exploration activities of GIB Mining Namibia (Pty) Ltd in EPL 9924 and EPL 10131 in the Erongo Region
Year:	June - August 2024
Client:	GIB Mining Namibia (Pty) Ltd (GIB Mining)
Activities performed:	Environmental Impact Assessment and Environmental Management Plans – two separate reports and EMPs

Name of assignment / project:	Soil study (contamination) within the Port of Walvis Bay.
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Year:	June – July 2024
Client:	Manica Group Namibia (Pty) Ltd
Activities performed:	Environmental Screening and Assessment Report

Name of assignment / project:	Scoping (including impact assessment) Report for the proposed further 3D seismic acquisition and associated activities and proposed further exploration wells and drilling and associated activities of Galp in Petroleum Exploration Licence 83 in the Orange Basin off the coast of Namibia
Year:	April - July 2024
Client:	Galp Energia E & P B.V. (Galp)
Activities performed:	Environmental Impact Assessment and Environmental Management Plans (part of EIA team)

Name of assignment / project:	Soil study (contamination), Walvis Bay.
Year:	April – May 2024
Client:	Services Pétroliers Schlumberger (SLB)
Activities performed:	Environmental Screening and Assessment Report

Name of assignment / project:	Scoping (including impact assessment) Report for the proposed Oshivela Pilot Project on Portion 4 of Farm Bloemhof 109, Erongo Region
Year:	Des 2023 - February 2024
Client:	Hylron Green Technologies (Pty) Ltd
Activities performed:	Environmental Impact Assessment and Environmental Management Plans (part of EIA team)

Name of assignment / project:	Environmental Performance Audit and Report for Swakop Uranium (Pty) Ltd.
Year:	December 2023
Client:	Swakop Uranium (Pty) Ltd
Activities performed:	EMP Compliance Audit Report for the Husab Mine; EMP Compliance Audit Report for Swakop Uranium's EPLs

Name of assignment / project:	Scoping (including impact assessment) Report for the proposed new Liquid Mud Plant (LMP) for SLB in the Port of Walvis Bay
Year:	October - December 2023
Client:	Services Pétroliers Schlumberger (SLB)
Activities performed:	Environmental Impact Assessment and Environmental Management Plan

Name of assignment / project:	Environmental Performance Audit and Report for Elspe Minerals (Pty) Ltd.
Year:	October 2023
Client:	Elspe Minerals (Pty) Ltd

Activities performed:	EMP Compliance Audit, Environmental Performance Report and update of Environmental Management Plan
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Name of assignment / project:	Scoping (including impact assessment) Report for the proposed new water pipeline from the Oanob Dam to the Dordabis Iron Ore Mine
Year:	July - September 2023
Client:	Lodestone Namibia (Pty) Ltd
Activities performed:	Environmental Impact Assessment and Environmental Management Plan

Name of assignment / project:	Application for renewal of Environmental Clearance Certificate for the proposed PV Power Plant of TeraSun Energy near Arandis
Year:	August 2023
Client:	TeraSun Energy (Pty) Ltd
Activities performed:	Visual Environmental Inspection Report and administration of the renewal application process of the Environmental Clearance Certificate

Name of assignment / project:	Amended Environmental Management Plan for the Swakopmund-Langer Heinrich water supply scheme.
Year:	July 2023
Client:	NamWater
Activities performed:	Revision and update of Environmental Management Plan

Name of assignment / project:	Visual Inspection Report of exploration activities on Namibplaas.
Year:	July 2023
Client:	Namibplaas CC
Activities performed:	Visual assessment report about exploration activities on Namibplaas

Name of assignment / project:	Concise Report about mineral rights on Namibplaas.
Year:	July 2023
Client:	Namibplaas CC
Activities performed:	Descriptive report about mineral rights on Namibplaas

Name of assignment / project:	Soil study (contamination) within the Port of Walvis Bay.
Year:	June – July 2023
Client:	Manica Group Namibia (Pty) Ltd
Activities performed:	Environmental Screening and Assessment Report

Name of assignment / project:	Conceptual Mine Closure Plan for Hopewell Mine near Outjo in Namibia.
Year:	May – June 2023
Client:	Hoanib Exploration (Pty) Ltd
Activities performed:	Mine Closure Plan, Mine Closure Costing

Name of assignment / project:	Environmental Performance Audit and Report for Lodestone Namibia (Pty) Ltd.
Year:	May – June 2023
Client:	Lodestone Namibia (Pty) Ltd
Activities performed:	EMP Compliance Audit and Report

Name of assignment / project:	Environmental Performance Audit and Report for Hoanib Exploration (Pty) Ltd on Hopewell Mine near Outjo in Namibia.
Year:	March – April 2023
Client:	Hoanib Exploration (Pty) Ltd
Activities performed:	EMP Compliance Audit and Report

Name of assignment / project:	Environmental Screening for a proposed Liquid Mud Plant of SLB in the port area of Walvis Bay
Year:	March – April 2023
Client:	SLB
Activities performed:	Environmental Screening Report and Environmental Management Plan

Name of assignment / project:	Environmental Impact Assessment for a proposed new warehouse for bulk handling of copper concentrate in the port area of Walvis Bay
Year:	November 2022 – March 2023
Client:	Walvis Bay Cargo Terminal
Activities performed:	Environmental Screening Report and Environmental Management Plan

Name of assignment / project:	Hands-on training: Environmental Impact Assessment
Year:	November 2022
Client:	Swakopmund Municipality, Kelp Blue
Activities performed:	Environmental Competency Training and Mentoring

Name of assignment / project:	Environmental Performance Audit and Report for Swakop Uranium
Year:	November 2022
Client:	Swakop Uranium's Husab Mine
Activities performed:	EMP Compliance Audit and Report

Name of assignment / project:	Hands-on training: Principles of green and sustainable approaches in business
Year:	August – September 2022
Client:	Be-Your-Own-Boss (BYOB), The Dome Academy, Swakopmund
Activities performed:	Environmental Competency Training and Mentoring

Name of assignment / project:	Environmental sensitivity report for the Henties Bay Municipality Structure Plan
Year:	August 2022 -
Client:	Henties Bay Municipality
Activities performed:	Environmental Sensitivity Analysis, Environmental Advisory Notes, and Environmental Screening Report

Name of assignment / project:	Environmental Impact Assessment Amendment for the proposed Shiyela Iron Project on ML 176 in the Erongo Region, Namibia
Year:	April - June 2022
Client:	Hylron Green Technologies (Pty) Ltd
Activities performed:	Contribution to Environmental Impact Assessment and Environmental Management Plan

Name of assignment / project:	Environmental Impact Assessment Amendment for a proposed new Solar PV Power Plant for Rössing Uranium Limited
Year:	January 2022 - June 2022
Client:	Rössing Uranium Limited
Activities performed:	Contribution to Environmental Impact Assessment and Environmental Management Plan

Name of assignment / project:	Mine Closure Plan for the Etango-8 Project
Year:	November 2021 - March 2022
Client:	Bannerman Mining Resources (Namibia) (Pty) Ltd
Activities performed:	Mine Closure Plan, Mine Closure Costing

Name of assignment / project:	Hands-on training: Principles of green and sustainable approaches in business
Year:	September – October 2021
Client:	Be-Your-Own-Boss, The Dome Academy, Swakopmund
Activities performed:	Environmental Competency Training and Mentoring

Name of assignment / project:	Environmental Impact Assessment Amendment for a proposed new Solar PV Power Plant for TeraSun near Arandis
Year:	October 2021 - May 2022
Client:	TeraSun Energy (Pty) Ltd
Activities performed:	Environmental Impact Assessment and Environmental Management Plan

Name of assignment / project:	Environmental Impact Assessment for a proposed new powerline for TeraSun near Arandis
Year:	October 2021 - May 2022
Client:	TeraSun Energy (Pty) Ltd
Activities performed:	Environmental Impact Assessment and Environmental Management Plan

Name of assignment / project:	Environmental Impact Assessment Amendment for a proposed new explosives' magazine at the Husab Mine, Erongo Region
Year:	November - December 2021
Client:	Swakop Uranium (Pty) Ltd
Activities performed:	Environmental Impact Assessment and Environmental Management Plan

Name of assignment / project:	Environmental Impact Assessment and Environmental Management Plan for the proposed new water pipeline from the Oanob Dam to the Dordabis Iron Mine
Year:	June – September 2021
Client:	Loadstone Namibia (Pty) Ltd
Activities performed:	Environmental Impact Assessment and Environmental Management Plan

Name of assignment / project:	Environmental Impact Assessment and Environmental Management Plan for a proposed snail production project near Swakopmund
Year:	July – November 2021
Client:	Rainy Day Investments 47 (Pty) Ltd
Activities performed:	Contribution to Environmental Impact Assessment and Environmental Management Plan

Name of assignment / project:	Environmental Impact Assessment and Environmental Management Plan for Exploration 18 (Pty) Ltd
Year:	January – June 2021
Client:	Exploration 18 (Pty) Ltd
Activities performed:	Environmental Impact Assessment and Environmental Management Plan

Name of assignment / project:	Swakopmund Strategic Plan, based on the Swakopmund Structure Plan 2020 - 2040
Year:	January – March 2021
Client:	Swakopmund Municipality
Activities performed:	Gap Analysis and Environmental Assessment Report, Strategic Plan

Name of assignment / project:	Environmental sensitivity report, Swakopmund Structure Plan 2020 - 2040
Year:	May 2019 – October 2020
Client:	Swakopmund Municipality
Activities performed:	Environmental Sensitivity Analysis, Environmental Advisory Notes, and Environmental Screening Report

Name of assignment / project:	Mine Closure Plan for B2Gold (site)
Year:	August – December 2020
Client:	B2Gold

Activities performed:	Mine Closure Plan, Mine Closure Costing
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Name of assignment / project:	Environmental monitoring training
Year:	December 2020
Client:	Skorpion Zinc
Activities performed:	Environmental Competency Training and Mentoring

Name of assignment / project:	Environmental Impact Assessments (EIAs) and Environmental Management Plans (EMPs) for various clients (subconsultant to ECC)
Year:	January – December 2020
Client:	Various (e.g., B2Gold, Cheetah Minerals, Votarantim, Nuvela, etc.)
Activities performed:	Contributions to various Environmental Impact Assessments and Environmental Management Plans

Name of assignment / project:	Guidance for compliance and alignment of the proposed NamPower Biomass Powerplant with FSC criteria
Year:	June – October 2020
Client:	NamPower
Activities performed:	Gap Analysis, Environmental Compliance Audit and Environmental Advisory Notes

Name of assignment / project:	Best Practice Guide: Environmental Principles for Mining in Namibia
Year:	December 2018 – August 2019
Client:	Namibian Chamber of Environment, Chamber of Mines, MEFT, MME
Activities performed:	Composition of four environmental guiding documents for the mining sector – for exploration, for construction and development, for operations and for mine closure

Name of assignment / project:	Biophysical Rehabilitation Plans for ML 42, 43, 44 and 45
Year:	January 2019 – June 2020
Client:	Namdeb
Activities performed:	Mine Closure Plan, Mine Closure Costing

Professional career in the mining sector:

Job description:	Mine Closure Plan for Langer Heinrich Uranium (Pty) Ltd
Year:	January 2015 – June 2016
Positions held:	Land use and mine rehabilitation specialist
Activities performed:	Mine Closure Planning, cost calculations and report writing

Name of assignment / project:	Operational Management and Mitigation Plans for Langer Heinrich Uranium (Pty) Ltd
Year:	January 2015 – November 2016
Positions held:	Land use and mine rehabilitation specialist

Activities performed:	Plan development and implementation
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Name of assignment / project:	Supervise a team to develop and implement an integrated Land Use Plan, Mine Closure Plan and Rehabilitation activities at Langer Heinrich Uranium (Pty) Ltd
Year:	January 2015 – November 2016
Positions held:	Land use and mine rehabilitation specialist
Activities performed:	Update and implement Progressive Rehabilitation Plans

Name of assignment / project:	Environmental Management Plan for Rössing Uranium Limited
Year:	January 2013 – November 2014
Positions held:	Senior Advisor: Environment and HSE Compliance
Activities performed:	Develop and implement an EMP for Rössing Uranium Limited

Name of assignment / project:	Supervising a team of specialists in Environmental Management at Rössing Uranium Limited
Year:	August 2008 – November 2014
Positions held:	Senior Advisor: Environment and HSE Compliance
Activities performed:	Supervise, guide and advise specialists in environmental management at Rössing Uranium Limited

Name of assignment / project:	Mine Closure Plan for Rössing Uranium Limited
Year:	January 2011 – November 2011
Positions held:	Senior Advisor: Environment and HSE Compliance
Activities performed:	Mine Closure Planning, cost calculations and report writing

Professional career as an academic:

Name of assignment / project:	Senior Lecturer and Researcher
Year:	August 1995 – June 2008
Positions held:	Senior lecturer and researcher, Head of Department
Activities performed:	Lecturing, mentoring, research and administrative management

CURRICULUM VITAE

WERNER PETRICK

QUALIFICATIONS

B.Eng	-	Civil Engineering	1995
Masters	-	Environmental Management	2004

EXPERTISE

- Environmental Management
- Environmental (and Social) Impact Assessments (EIA's)
- Environmental Feasibility Studies
- Input into Due Diligence Studies
- Stakeholder Management
- Environmental Management Systems (EMS)
- Environmental Auditing
- Environmental Training and capacity building
- Mine Closure

Werner has more than 28 years of work experience. He started out as a Civil Engineer (first 3 years) but soon became involved with environmental related projects. The following ~25 years he has been working in the environmental field with experience in Environmental (and Social) Impact Assessments (EIA's), general environmental management and implementation, Environmental and Social Management Systems (ESMS), waste management, environmental compliance, training, stakeholder engagement and capacity building, mine closure and rehabilitation, environmental auditing and monitoring as well as due diligence.

Werner's experience is based on work conducted as a consultant (current position) as well as working for industry (i.e. implementing environmental requirements, etc.). Werner Also established an Environmental Management (i.e. Education) Facility where various training courses are presented.

Sectors of his experience include: Exploration or production phases of small, medium and large mining projects, power generation including renewable power initiatives and hybrid power plants, transmission lines, water supply, (small to large scale) desalination & sanitation, petrochemical industry, linear infrastructure including roads and rail, port related projects, off-shore oil and gas exploration, forestry, off-shore mining and exploration projects, aquaculture activities, chemical handling and storage, large irrigation projects and other.

(Note: reference to "Environment" includes "Social" aspects).

EMPLOYMENT RECORD

Year	Company	Responsibility
1996-1998	Africon Engineering International	Engineer – working for the Environmental and Geotechnical Division
1999-2004	Sasol Technology (Environmental and Risk Engineering Division)	Lead Project Environmental Coordinator
2004-2009	Independent Environmental Consultant (Natura Environmental Practitioners)	Managing own Company - Environmental Practitioner
	Sub-contracted to Golder Associates	Environmental Project Manager
	Sub-contracted to Bombela	Environmental Manager for the Turn-Key Contractor for the Gautrain Raid Rail Link
	Sub-contracted to Hatch Africa	Environmental Project Manager
2009-2012	Langer Heinrich Uranium Mine	Environmental Specialist (Overseeing the Environmental Department)
2012-2018	SLR Environmental Consulting (Namibia)	Technical Director and Manager: Environmental Assessment Practitioners (Namibia)
2018-present	Independent Environmental Consultant (Namisun Environmental Projects and Development)	Managing own Company - Environmental Consultant

SHORT EXCERPT OF PROJECTS	
Environmental Education (Ongoing)	Coordinates and facilitates various Environmental education and awareness Programmes at Stone Valley Environmental Management Facility, including open Air Schools for children up to intensive training Courses on various topics (including amongst others EIA, EMS, etc.).
Cooperative Bulk Handling Terminal (Pty) Ltd's (Bannerman) proposed sulphuric acid storage and handling facilities (2024)	EIA for the proposed construction and operation of the sulphuric acid storage and handling facilities at the port of Walvis Bay and the transport of sulphuric acid to the Etango. Werner is the in-country coordinator and conducting stakeholder engagement, and report writing).
Environmental and Social Screening Study for Green Metals Refining Ltd (2024)	Input to the Site Selection Study of three preferred sites for the proposed ore treatment and refining of Battery-Grade Manganese.
Galp's proposed offshore exploration well and flow testing activities (2024)	EIA for Galp's amendment application process for their proposed further offshore exploration activities (including 3D towed streamers seismic surveys and further drilling campaigns. Werner is the Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, PPP and report writing).
EIA for the proposed Oshivela Green Iron Pilot Project on Portion 4 of Farm Bloemenhof 109	EIA Process for for Hylron Green Technologies (Pty) Ltd proposed Oshivela Green Iron Pilot Project. Werner is the Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, PPP and report writing).
Langer Heinrich Uranium (Pty) Ltd return to production (2023)	EIA Process for the Langer Heinrich Mine's return to production and associated activities (i.e. ECC renewal application with associated amendment). Werner is the Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, PPP and report writing).
Reptile Uranium Namibia (Pty) Ltd – EIA FOR THE TUMAS MINE AND ASSOCIATED ACTIVITIES (2020 – 2023)	EIA application process for the Tumas (Uranium) mining and processing project (and associated activities – including onsite PV power supply) in the Namib Naukluft National Park in Namibia. Werner is the Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, PPP and report writing).
Proposed Namibian Hazardous Waste Site (2023)	Part of the Team that conducted the Screening Study (and compilation of Internal Screening Report), which will lead into the EIA.
Kelp Blue EIA Amendment (2023)	EIA application process for the Kelp Blue's proposed Commercial Scale Kelp Cultivation Project near Luderitz. Werner is the Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, PPP and report writing).
NamDeb PV Power plant Screening (2023)	Environmental input to the Screening study for NamDeb's proposed PV Power Plant.
INNOVATION ENERGIE DEVELOPPEMENT Support to prepare the Otjikoto Biomass Power Station (OBPS) Project (2022 - 2023)	Part of the IED Team conducting a Due Diligence Study for the sustainability of the NamPower Biomass Project, supply chain, on behalf of the French Development Bank.

Rainy Day Investments 47 (Pty) Ltd / Namsnail EIA SCOPING & IMPACT ASSESSMENT REPORT FOR THE PROPOSED SNAIL PRODUCTION PROJECT NEAR SWAKOPMUND, ERONGO REGION (2021 – 2022)	EIA application process for the snail production project near Swakopmund. Werner was the Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, PPP and report writing). Assist with the Environmental Management System during the implementation phase (ongoing).
LK Mining EIA for LK Mining's Offshore Diamond MLApplication (2021-2022)	Environmental Impact Assessment & Environmental Management Plan for the offshore diamond mining activities on the proposed ML 220 of LK Mining, required for an Environmental Clearance Certificate Assist Alex Speiser ((ASEC) with management of the process, public participation, report compilation and review.
Rössing Uranium Limited PROPOSED SOLAR PHOTOVOLTAIC POWER PLANT (2022)	RUL is conducting a feasibility study for its Life of Mine Extension (LoME) Project which includes the evaluation of constructing a solar photovoltaic (PV) Power Plant (and a distribution overhead powerline to the Rössing Substation onsite) to support electricity supply to the mine, processing plant and associated infrastructure. Werner was the Lead Environmental Assessment Practitioner managing the EIA amendment process (including stakeholder engagement, PPP specialist management and report writing / review), relating to the above mentioned project.
Hylron Green Technologies (Pty) Ltd (Hylron) (2022)	EIA Amendment process for the proposed Shiyela Iron Project. Key amendments to the approved ECC are implied by the changes Hylron proposes for the Shiyela Iron Project including: The project aims to produce “sponge iron” for use by steel manufacturers and foundries at zero carbon dioxide (CO2) emissions. The original plan was to supply power to the project via a new overhead transmission line from the national grid. Power generation is now planned by means of renewable energy sources only, including PV Power and wind turbines. Werner was the Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, PPP and report writing).
Renewstable Swakopmund	EIA Process for the proposed HDF ENERGY RENEWSTABLE Swakopmund Hydrogen-to-power project (by SLR). Renewstable Swakopmund will be Africa's first integrated solar-hydrogen power project with the objective of supplying Swakopmund, and surrounds, with renewable energy. Werner was assisting SLR with public participation and review / input of the EIA reports.
ENVIRONMENTAL COMPLIANCE AUDITS (ANNUAL)	Various environmental (EMP) Compliance audits (various sectors) on an annual basis). Werner is the lead auditor and compiles the audit reports.
Terasun Energy – EIA AMENDMENT FOR THE ARANDIS PV POWER PLANT AND NEW POWERLINE (2021 – BUSY)	EIA amendment application process for the PV Power plant near Arandis in the Erongo Region of Namibia. Proposed new powerline to connect to the grid. Werner is the Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, PPP and report writing).
Kelp Blue Namibia (Pty) Ltd - THE PROPOSED KELP CULTIVATION PILOT PROJECT NEAR LÜDERITZ, KARAS REGION (2020)	EIA applications process for Kelp Blue's proposed Kelp Cultivation Pilot Project. Werner was the Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, PPP and report writing).

DUE DILIGENCE AUDIT FOR PV POWER PLANT NEAR MARIENTAL (2021)	Assisted SLR with due diligence (Environmental) study, including onsite audit - for the operational PV power plant.
Total E and P Namibia B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA (2020)	EIA process for TEPNA's proposed off-shore 3D seismic survey activities. Werner was the in-country coordinator for the EIA process (including stakeholder engagement, PPP and document review).
NamWater's Environmental and Social Impact Assessment (Scoping) process for the Desalination Plant and Water Carriage System to Secure Water Supply to the Central Coast, Windhoek and En-route Users (2019 – 2020)	EIA Scoping process as part of NamWaters' Feasibility study for the supply of potable water, derived from seawater desalinated at the coast, through a pipeline system to the central coastal area and to Windhoek, as well as to en-route users including Arandis, Usakos, Karibib and Okahandja. Werner was the in-country coordinator for the EIA process (including stakeholder engagement, PPP and report compilation and review). The Feasibility Study for the Project is financed by the Government of the Federal Republic of Germany, through the KfW Development Bank. As a result, the ESIA process is also required to meet the KfW Sustainability Guideline (KfW, 2019) requirements as well as the World Bank's Environmental and Social Standards (World Bank, 2018).
Shell Namibia Upstream BV – EIA amendment for proposed offshore well drilling (2020)	Shell Namibia Upstream BV holds PEL 39, which is located adjacent to the southernmost Namibian offshore border with South Africa. Shell obtained an ECC for the proposed activities but requires an amendment to the ECC due to a proposed change in the well drilling target area. Werner was the in-country coordinator for the EIA process (including stakeholder engagement, PPP and document compilation and review).
Walvis Bay Salt Holdings –Environmental Screening (2019)	Environmental Screening for additional infrastructure development at the Walvis Bay Salt Works. Werner is the Lead Environmental Assessment Practitioner managing the Screening process (including stakeholder engagement, PPP and report compilation).
Areva (now Orano Mining Namibia) – EIA renewals (2019)	ECC renewal applications for the Trekkopje Mine (which is on Care and Maintenance) and the Erongo Desalination Plant.
Namib Lead and Zinc – EIA Amendment process (2019)	EIA amendment process for the proposed changes to the final product transportation method and soil excavation for the mine access road resurfacing. Werner was the Lead Environmental Assessment Practitioner
Cathral Investments and Tulela Processing Solutions' Sinclair Mining Project - Environmental Impact Assessment (2019)	EIA for small scale mining & processing activities and ongoing exploration at the Sinclair mine. Werner was the Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, PPP and report compilation, specialist management and specialist report review).
Galp off-shore exploration projects - Environmental Impact Assessment (2019)	EIA for offshore exploration projects in two separate Petroleum Exploration License areas of the coast of Namibia. In-country EIA project manager, Public participation, review reports, liaison with Authorities, etc.

Gecko Cobalt Mining - Environmental and Social Impact Assessment (2019)	EIA for Gecko Cobalt Mining (Pty) Ltd proposed cobalt and copper mining project on EPL 4346, located approximately 25 km northwest of Opuwo. In-Country Project Manager, Report compilation and review and Facilitate the public participation process.
Walvis Bay Salt Holdings –Environmental Screening (2018 - 2019)	Environmental Screening for further expansion (i.e. bittern benefaction ponds and associated infrastructure) at the Walvis Bay Salt Works. Werner was the Lead Environmental Assessment Practitioner managing the Screening process (including stakeholder engagement, PPP and report compilation).
Shell Namibia Upstream BV – EIA for proposed offshore well drilling (2017 -2018)	Shell Namibia Upstream BV holds PEL 39, which is located adjacent to the southernmost Namibian offshore border with South Africa. Shell is proposing to drill one or possibly two exploration wells in the northern portion of the licence area. Werner was the Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, PPP and report review).
Gecko Cobalt Mining - Environmental and Social Screening process (2018)	Gecko Cobalt Mining (Pty) Ltd conducted reconnaissance drilling over a stretch of 24 km length over the cobalt and copper mineralisation in EPL 4346, located approximately 25 km northwest of Opuwo. Depending on the outcome of further exploration activities and the feasibility study, GCM and CR are proposing to apply for a ML to ultimately mine the ore and process it on site. Internal Environmental (and Social) Screening exercise. Lead Environmental Assessment Practitioner managing an internal Environmental and Social Screening process.
Swakop Uranium – Husab Mine Closure plan (2018)	Development of the Husab mine Draft Closure Plan (MCP): In Country Manager and reviewer of the process and the draft MCP.
Areva (now Orano Mining Namibia) (annually)	Annual Environmental (relating to the EMP) Compliance audits for the Trekkopje Mine (which is on Care and Maintenance) and the Erongo Desalination Plant.
Manila Investments – Kombat Copper Mine EIA (2017 - 2018)	Manila Investments (Pty) Ltd holds Mining Licences 73B, 16, 9 (collectively the old Kombat Copper mine, which is currently under care and maintenance). The mine is a past-producing copper, lead and silver mine. Manila is considering implementing the following activities upon completion of the Environmental Impact Assessment process and acquiring the relevant permits and approvals for: Open pit (surface) mining in ML 73B (also referred to as “Asis”) and associated activities; Processing of the ore at the existing process plant, currently being refurbished, and associated activities; and Dewatering the “Asis Far West” (AFW) Shaft and conducting further underground exploration activities in ML 16. Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, PPP and report compilation).
Swakop Uranium Waste Rock Dump Amendment and Incinerator - EIA amendment (2017 - 2018)	Swakop Uranium owns and operates the Husab Mine in the Erongo Region of Namibia; they propose an amendment to their Waste Rock dump and also to implement a new on-site waste incinerator. Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, PPP and report compilation).

EIB and NamPower Encroacher Bush Biomass Power Project – EIA (2017 - 2021)	European Investment Bank and NamPower: Environmental Impact Assessment (EIA) for the proposed Encroacher Bush Biomass Power Project in Namibia. Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, managing specialists, etc.) and compiling reports. The EIA process assessed the impacts of the proposed project in terms of the relevant Namibian environmental legislative requirements. Furthermore, the EIA process followed considered had to conform to the Equator Principles and IFC Performance Standards as well as the Namibian Forest Stewardship Council (FSC) Standards.
Alten Energy - 37 MW Hardap Solar (Photo Voltaic (PV)) Power plant, near Mariental (end of 2017 – October 2018).	Project Manager and provides ongoing support to the on-site Environmental Manager (who provide full time Environmental and Social Management Support on site) and conducts environmental performance audits.
Swakop Uranium Husab mine – Waste Management Strategy (2016 – 2017)	Develop Waste Management Strategy for the Swakop Uranium Husab Mine (i.e. non-mineralised waste). Project Coordinator.
PV power plant (10 MW) at the Ohorongo Cement Factory (2016)	SunEQ GmbH (SunEQ) proposes to construct and operate a photovoltaic (PV) power plant at the Ohorongo Cement Factory. Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, PPP and report compilation).
Igneous Mining (Pty) Ltd – Application for Environmental Clearance (2016)	Igneous Mining (PTY) LTD Environmental is seeking a Clearance Certificate (ECC) Renewal for small scale mining activities on ML 135 in Sarusus Area, Skeleton Coast Park. Lead Environmental Assessment Practitioner managing the ECC Renewal Process including an audit of their onsite activities.
LK Mining EIA for LK Mining's Offshore Diamond Exploration Activities on Exclusive Prospecting License 5965 (2016)	LK Mining is proposing to conduct offshore exploration activities within marine Exclusive Prospecting License (EPL) 5965 by means of geophysical remote sensing and seabed sampling to explore the marine diamond resources. EPL 5965 is an area over Hottentots Bay, approximately 60 km north of Lüderitz. Management of the process, team members and other stakeholders. Report compilation and review.
Manila Investments – Kombat Copper Mine Environmental Due Diligence (Sep 2016)	Lead Environmental Assessment Practitioner managing and conducting the due diligence audit (including site inspection, review of 'environmental management system' and documentation, gap analysis and recommendations for Environmental compliance) and report compilation.
City of Windhoek Gammams Waste Water Treatment Works Upgrade EIA (2017)	The Gammams Waste Water Treatment Plant (GWWTP) located in the Wanaheda suburb of Windhoek, is the City of Windhoek's (CoW) largest wastewater treatment plant. Develop an environmental Scoping Report (including Impact Assessment) for the planned GWWTP upgrade. Lead Environmental Assessment Practitioner managing the completion of the EIA process, report compilation / review.
B2Gold Otjikoto Gold Mine Closure plan (2017)	Development of the Otjikoto Gold Mine Draft Closure Plan (MCP): In Country Manager and reviewer of the process and the draft MCP.

NAMPARKS Facility Amendments at Mudumu NP – EIA amendment (2016 - 2018)	NAMPARKS Environmental Scoping Report for Infrastructure Development: Amendment for the proposed addition of an Entrance Gate, Tourist Reception and Staff Housing at Mudumu National Park. Lead Environmental Assessment Practitioner for the EIA amendment process required for infrastructure development. Report review.
Namibia Rare Earths – Lofdal mine – Environmental baseline development (2015)	NRE holds the EPL at Lofdal located west of Khorixas, exploring for rare earth. They wish to apply for a mining license in 2016, for which an EIA would be required. The baseline environment needs to be described in detail to feed into such an EIA process. Compile the environmental baseline project plan. Manage specialists and develop Baseline data/report with input from various specialists.
Swakop Uranium – Husab Mine amendments - EIA (2015)	Swakop Uranium is developing the Husab Mine in the Erongo Region of Namibia (70 km north-east of the Walvis Bay port). The EMP needs to be implemented during construction Swakop Uranium and their contractors. It further needs to be rolled out into a management system for operations. The Strategic Environmental Assessment (SEA) for the “Uranium Rush” in the Erongo Region had to be considered and incorporated into the EIA. Lead Environmental Assessment Practitioner managing the various EIA processes and compiling reports. Provide guidance and support to Environmental Control Officer(s), training to ECOs and contractors. Develop EMS procedures and other relevant documentation.
B2Gold – Otjikoto Gold Mine landfill site - EIA (2013 – 2014)	B2Gold is developing the Otjikoto (gold mine) Project, located approximately 70 km north-east of Otjiwarongo in the Otjozondjupa Region of Namibia. B2 Gold proposed to develop a landfill site (waste disposal facility) on site to cater for non-hazardous waste. They also proposed to construct and operate an on-site (heavy fuel oil) Power Plant. Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, managing specialists, etc.) and compiling reports.
B2Gold – Otjikoto Gold Mine development - EIA (2012 – 2013)	B2Gold applied for Mining Licence (ML 169) to developed the Otjikoto (gold mine) Project, located approximately 70 km north-east of Otjiwarongo in the Otjozondjupa Region of Namibia. As part of the ML application process, a detail EIA process needs to be conducted. Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, managing specialists, etc.) and compiling reports. The Scoping phase was already completed by another company. Completed the EIA process – i.e. assessment phase. Develop Mine Closure Framework. The EIA had to conform with World Bank / IFC Standards.
Arandis Power Plant - EIA amendment (2014)	Arandis Power proposed to construct and operate a 'hybrid' thermal/PV plant with the maximum output capacity of 120 MW. Lead Environmental Assessment Practitioner managing the EIA process (including stakeholder engagement, managing specialists, etc.) and compiling reports. The EIA had to conform with World Bank / IFC Standards.
Various Mining and Exploration companies - various services (2012 – 2015)	Various Mining and exploration companies across Namibia sought assistance. Provided various services and support to various mining and exploration companies, including amongst others external audits, training, rehabilitation planning, compiling EMS procedures and other relevant documents, compile environmental performance reports, etc.

Various Mining, Exploration and Infrastructure Projects – various services (2012 – 2015)	Various Mining and exploration projects as well as infrastructure projects across Namibia sought assistance with EIAs, EMPs and review processes. Review process and reports for various projects managed by other environmental practitioners, including amongst others rail sidings; Nanomill which will produce 150,000 tons rebar's and billets per year from scrap steel; Okorusu Fluorspar Mine expansion; Offshore exploration drilling (Murphy); water and waste water treatment facilities EIA and EMPs; Dundee Precious Metal Tsumeb Hazardous Waste Site expansion; Walvis Bay Salt Holdings Expansion; and others.
Langer Heinrich Uranium Mine – expansion projects – Specialist environmental support (2009 – 2012)	Langer Heinrich is an operational Uranium Mine in Namibia Naukluft National Park. Specialist environmental support to ensure EIAs for expansion projects are correctly managed and implemented. Incorporate SEA commitments (SEMP) for the "Uranium Rush" in the EMS. Also to provide support, guidance and management in terms of environmental management implementation at the mine i.e. EMS development and implementation; environmental training; etc.). Developed the draft Mine Closure and restoration strategy and Draft Mine Closure plan.
Port Expansion Projects in SA – Project environmental management (2008 - 2009)	Port expansions and development (Port Elizabeth, Coega and Richards Bay). Project Environmental Manager - managing the EIA process (including stakeholder engagement, managing specialists, etc.) and compiling reports.
Gautrain Rapid Rail Link - EIA (2006 - 2007)	Development of the Gautrain Rapid Rail Link. Appointed (on contract basis) to provide specialist input into the very challenging EIA processes and EMP development for the project. Also appointed as the Environmental Manager for the Bombela Turnkey Contractor, the managing contractor, for the Gautrain Rapid Rail Link Project.

TRAINING AND AWARENESS

- Numerous training and awareness (i.e. EIA) campaigns at Industry level between 2009 and 2019.
- "EIA, management and protection training" (i.e. presentation) at a Petroleum Upstream Training Seminar in 2016
- EIA training at Educational Institutions:
 - Geology Department of the University of Namibia in 2014
 - Various lectures at the University of Pretoria in 2006.
 - Various EIA Training courses at Stone Valley Environmental Management / Education Centre (2022 to 2024).

MEMBERSHIPS

EAPAN	Certified as a Lead Environmental Practitioner and a Reviewer under the Environmental Professionals of Namibia (Membership No. 114)
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PUBLICATIONS

Paper on the integration of the EIA process with the project execution model through the University of Pretoria.