

CURRICULUM VITAE

Chris Elungi AILONGA

NAME OF CONSULTANT : **Chris E. Ailonga**
DATE OF BIRTH : **17/12/1983**
NATIONALITY : **Namibian**
MEMBERSHIP IN PROFESSIONAL BODIES & ASSOCIATION : **EAPAN (35) (2018- President)**

KEY QUALIFICATIONS

Chris is an EIA Lead Practitioner and a Director at Matrix Consulting Services, with variable experience in Project Management, Risk Management, Environmental and socio-economic impact assessments, environmental management plans, mine environmental management, pollution investigations, environmental awareness training, public participation, environmental auditing, health and safety plans, rehabilitation, mine tailings management, environmental management systems (ISO 14001:2015), Occupational health and safety management systems (ISO 45001:2018), urban planning and related work.

He has been involved in various mining, mineral and water exploration projects, petroleum industry, residential and commercial developments, waste disposal, hospitality projects, waste water treatment, chemical handling facility projects, town and regional planning projects, agriculture, infrastructure, waste reclamation projects and food processing.

EDUCATION & TRAINING

2020 : **MSc Project Management**
University of Pretoria

2016 : **Post Graduate Diploma in Planning**
University of Witwatersrand

2011 : **IRCA ISO14001 Lead Auditor Certificate**
TUV Rheinland

2010 : **MSc Environmental Science**
University of Witwatersrand

2007 : **Cleaner Production Best Practice in the Mining Industry, NQF Level 5**
University of Witwatersrand

2005 : **4 Yr-BSc Environmental Biology and Microbiology**
University of Namibia

EMPLOYMENT RECORD

Feb 2012 - Till now : **Matrix Consulting Services**
Principal Project Manager- Environmental & Urban Planning
Managing the Environmental & Urban planning Department, project management, budgeting and complete preparation of environmental and Social impact assessments, Environmental Compliance Audits, Pollution Investigations, health and safety plans, environmental management plans and related work, of which most were related to mining & exploration projects, fuel retail and consumer facilities, roads, bulk water supply pipelines, aquifer recharge projects, township developments, town and regional planning, educational facilities medical waste treatment facilities, agricultural projects, chemical warehouses and hotels. Pollution investigations, environmental monitoring and reporting.

- June 2011 –Feb 2012** : ***Langer Heinrich Uranium Mine***
Environmental Coordinator
Coordinating all environmental management activities at the mine. Managing the environmental team, and supervising the water monitoring team and waste management contractors. Managing the ISO14001 environmental management system and conducting periodic audits to ensure compliance. Ensuring EMP compliance and implementing mitigating measures. Environmental awareness training of all mine staff and contractors.
- Jan 2010 –June 2011** : ***Consulting Services Africa***
Project Manager: Environmental Impact Assessments
Project management and complete preparation of environmental impact assessments, environmental management plans and related work, of which were mostly related to infrastructure (e.g roads), agriculture (e.g. fertilisers and quarantine camps)
- 2009** : ***Geo Pollution Technologies***
Environmental Consultant
Project management and preparation of numerous environmental impact assessments, of which a large number were related to water resources, mining, petroleum and hydrogeology.
- 2008** : ***ALS Laboratory Group (Trekkoptje Uranium Mine)***
Senior Chemical Laboratory Scientist
Supervision of the chemical laboratory team at the mine. Quality assurance of the samples and chemical analysis of the results. Managing and procurement of the laboratory supplies.
- 2007** : ***NAMDEB Mine***
Environmentalist
Coordinating all environmental management activities at the Orange River Mines. Conducting environmental audits and compliance to the ISO14001 environmental management system. Ensuring EMP compliance and implementing mitigating measures. Water quality and pollution investigations at the mine.
- 2006** ***SANTED***
Graduate Researcher
Biodiversity Studies -Powerlines way leave

PROJECT EXPERIENCE

| Environmental Impact Assessments (EIAs) –all including EMPs and Public Participation | |
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| PROJECT | Client |
| Environmental and socio-economic Impact assessment, The proposed Venus Ext 1-4 Township, Windhoek. | City of Windhoek |
| Environmental and socio-economic Impact assessment, The proposed Khomasdal Ext 17-18 Township, Windhoek. | City of Windhoek |
| Environmental and socio-economic Impact assessment, The proposed Havana Relocation Township, Windhoek. | Ongos Valley Development |
| Environmental and socio-economic Impact assessment, The proposed monte christo decongestion & road upgrading: ongos to b1 interchange, Windhoek. | City of Windhoek |
| Renewal of environmental clearance certificate for the continued operation of the existing engen fuel storage depot in keetmanshoop. | Engen Namibia (PTY) LTD |
| Project management, engineering design, fuel retail application, EIA for the proposed new fuel retail facility in kalkrand | Mensah Service Station CC |
| Project management, engineering design, fuel retail application, EIA for the proposed olive oil plant at Brakwater. | Shetu Trading Development (Pty) Ltd |
| Environmental Consultancy for the upgrade of 6 AGRA-Vivo Energy sites | Vivo Energy |
| Continued operation of the existing seaflower fish processing facility (factory), Luderitz, //kharas region | Seaflower Group (Pty) Ltd |
| Proposed New Fuel Retail Facility In Swakopmund (Pitstop Fuel Centre) | Sky-Way Investments CC |
| Provision of professional technical support services for assessment and compilation of a report on the status quo of properties of NTA. | Namibia Training Authority |
| Project management, engineering design, fuel retail application, EIA for the proposed new fuel retail facility in Okondjatu | Earth Ethicks Construction cc |
| Environmental and socio-economic Impact assessment, the existing waste disposal site and the sand mining activities in Henties Bay. | Henties Bay Municipality |
| Mashare Agricultural Development institute, Development of Health and Safety Plans, and the implementation of a Health and Safety program, and training. | Ministry of Agriculture, Water and Forestry: (Mashare Agricultural Development Institute) |
| Environmental and socio-economic Impact assessment, the proposed EXT 5, Aroab. | Aroab Village Council |
| Environmental and socio-economic Impact assessment, the proposed Asparagus Processing Plant in Oshifo, Ruacana. | Otjimbele Agriculture (Pty) Ltd |
| Environmental and socio-economic Impact assessment, the proposed | Unistrat Properties Investment |

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| Otjiwarongo EXT 12. | |
| Environmental and socio-economic Impact assessment, the proposed infrastructure improvements for 14 schools around Namibia, AfDB funded projects. | Ministry of Education, Arts and Culture |
| Environmental and socio-economic Impact assessment, the proposed UNAM Small Animals Teaching Hospital, School Veterinary Science AfDB funded projects. | UNAM |
| Environmental and socio-economic Impact assessment, the proposed Keetmanshoop Vocation Training Centre, AfDB funded projects. | Namibia Training Authority |
| Environmental and socio-economic Impact assessment, the proposed Zambezi Vocation Training Centre, AfDB funded projects. | Namibia Training Authority |
| Environmental and socio-economic Impact assessment, the proposed Hardap Vocation Training Centre, AfDB funded projects. | Namibia Training Authority |
| Environmental and socio-economic Impact assessment, the proposed Seeis Piggery. | M & K Trading cc |
| Environmental and socio-economic Impact assessment, the proposed Ondangwa Ext 31-34 township development. | Ondangwa Town Council |
| Hydrogeology and ecological specialist studies for Grootfontein ext 6 EIA | Ritta Khiba Town Planning Consultants cc |
| Environmental and socio-economic Impact assessment, the proposed Kalkfeld township development. | Otjozondjupa Regional Council |
| Environmental and socio-economic Impact assessment, the proposed Bitumen Manufacturing Plant | Project 7 Trading cc |
| Environmental Conditions Assessment (Environmental Due Diligence) and Health and Safety Plan, Total Karasburg Service Station in Karasburg (Including Tank pit screening, Soil sampling and Soil vapour survey). | Total Namibia (Pty) Ltd |
| Environmental Conditions Assessment (Environmental Due Diligence), Hakahana Service Station in Windhoek (Including Soil sampling and Soil vapour survey). | Vivo Energy Namibia Ltd |
| Environmental Conditions Assessment (Environmental Due Diligence) and Health and Safety Plan, Puma Tren Tyre Service Station in Otjiwarongo (Including Soil sampling and Soil vapour survey). | |
| Site Closure, Environmental Conditions Assessment (Environmental Due Diligence), Supa Quick Service Station in Windhoek (Including Tank pit screening, Health and Safety Plan, Soil sampling and Soil vapour survey). | Total Namibia (Pty) Ltd |
| Environmental and Safety Conditions Assessment (Environmental Due Diligence), Eastgate Service Station at Buitepos (Including Tank pit screening, Soil sampling and Soil vapour survey). | Total Namibia (Pty) Ltd |
| Environmental and socio-economic Impact assessment, the proposed Ondangwa extension 31-34 township development. | Ondangwa Town Council |

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| Environmental and socio-economic Impact assessment, the proposed Oshikuku Cultural Heritage Centre. | Oshikuku Town Council |
| Environmental and socio-economic Impact assessment, the proposed Matutura Mall development. | Swakopmund Municipality |
| Environmental and socio-economic Impact assessment, Environmental Compliance Audit, the proposed Oranjemund Landfill development. | NAMDEB |
| Environmental Fatal Flaws for 4 Solar PV Plants, Omburu, Auas, Koekerboom and Otjikoto | Nampower / Mott Macdonald |
| Environmental and socio-economic Impact assessment, Environmental Compliance Audit the proposed Epukiro extension 1,2,3 and Proper township development. | Omaheke Regional Council |
| Environmental and socio-economic Impact assessment, the proposed Epukiro Landfill development. | Omaheke Regional Council |
| Environmental and socio-economic Impact assessment, Epukiro Oxidation Ponds | Omaheke Regional Council |
| Environmental Management Plan, Epukiro Cemetery | Omaheke Regional Council |
| Environmental and socio-economic Impact assessment, Environmental Compliance Audit, The proposed Solar Plants in Otavi, Tsumeb and Grootfontein. | Metdecci Energy Investment (Pty) Ltd |
| Environmental and socio-economic Impact assessment, The proposed new Katima Mulilo Puma Energy Fuel Depot, Zambezi Region. | Tidal Wave Pty Ltd |
| Environmental and socio-economic Impact assessment, The proposed new Bukalo Academy and University Campus Development, Zambezi Region. | First Capital Treasury Solutions (Pty) Ltd |
| Environmental and socio-economic Impact assessment, The proposed new Oshakati Multi-Purpose Centre Development. | Oshakati Town Council (Aveshe Consultancy) |
| Environmental Impact Assessment and Environmental Management Plans, Environmental Compliance Audit The proposed new townships (Rentes Township Development EXT 3 and 7). | Otavi Town Council |
| Environmental Management Plan, The proposed Wernhill Phase 4 Development. | Olthaver and List (Pty) Ltd |
| Environmental and socio-economic Impact assessment, The proposed new Kleine Reho Township Development. | P & D Bricks cc |
| Environmental and socio-economic Impact assessment, The proposed new Rehoboth Industrial Township Development. | Rehoboth Town Council |
| Environmental and socio-economic Impact assessment, Environmental Compliance Audit ,The proposed new Otjinene Phase 6 Township Development. | Omaheke Regional Council |
| Environmental and socio-economic Impact assessment, The proposed new Rentes Township Development. (400 units) | Otavi Town Council |

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| Environmental and socio-economic Impact assessment, The proposed new Township Development (Block A & B). | Bethanie Village Council |
| Environmental and socio-economic Impact assessment, Environmental Compliance Audit, The proposed Ongos Portion 8 & 9 Township Development. | Full Bright Investments (Pty) Ltd |
| Environmental and socio-economic Impact assessment, The proposed Muzine Mall Development in Gobabis. | Muzine Group (Pty) Ltd |
| Environmental and socio-economic Impact assessment, Environmental Compliance Audit , The proposed 5MW Solar Plant in Karibib. | Metdecci Energy Investment (Pty) Ltd |
| Environmental and socio-economic Impact assessment, The proposed Ongos Portion 3 and Monte Christo Township Development. | NHE |
| Environmental and socio-economic Impact assessment, The proposed new Nakayale Vocational Training Centre Development. | NTA |
| Environmental and socio-economic Impact assessment, The proposed Kobra Service Station in Oshikuku. | Namibia Funeral Services |
| Environmental and socio-economic Impact assessment, The proposed new Township development | Kalkrand Village Council |
| Environmental and socio-economic Impact assessment, Environmental Compliance Audit, The proposed Xpress Service Centre in Walvis Bay. | Walvis Bay Xpress Service Centre cc |
| Environmental and socio-economic Impact assessment, The proposed Onathing Service Station in Onathing. | ASM Investment cc |
| Environmental and socio-economic Impact assessment, The proposed Onathing Service Station in Onathing. | Divundu Service Station cc |
| Environmental and socio-economic Impact assessment, The proposed Otjinene Service Station in Otjinene. | Otjinene Service Station cc |
| Environmental and socio-economic Impact assessment, The proposed Olundjinda Mining exploration (EPL 4216), Namib Naukluft, Karas region. | Olundjinda Mining (Pty) Ltd |
| Environmental and socio-economic Impact assessment, The proposed new Otavi Industrial Park development | Galaxy Industries (Pty) Ltd |
| Environmental and socio-economic Impact assessment, The proposed 1MW Solar Plant in Khorixas. | Welwitschia Solar |
| Environmental Management Plans, Environmental Compliance Audit, The existing solid waste disposal sites (9), Windhoek. | City of Windhoek |
| Environmental and socio-economic Impact assessment, The proposed Oasis fuel retail facility, Usakos. | Oasis Service Centre |
| Environmental and socio-economic Impact assessment, The proposed HALOID Industrial Township, Windhoek. | City of Windhoek |
| Environmental Impact Assessment and Environmental Management Plans, | CENORED |

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| The proposed 40Km new dedicated Otavi Power supply 33Kv. | |
| Environmental Impact Assessment and Environmental Management Plans, The proposed new townships development Choto Portion (A-G). | Katima Mulilo Town Council |
| Environmental Impact Assessment and Environmental Management Plans, Environmental Compliance Audit The proposed exploration phase of EPL 4953. | The Kongom Trading cc |
| Environmental Impact Assessment and Environmental Management Plans, The proposed new Otavi Service Station. | Engen South Africa |
| Environmental Impact Assessment and Environmental Management Plans, The proposed new townships (Khoab EXT 4 & 5 and Otavi EXT 5 & 6). | Otavi Town Council |
| Environmental Impact Assessment and Environmental Management Plans, The proposed new UNAM southern campus. | UNAM |
| Environmental Impact Assessment and Environmental Management Plans, The proposed new Otavi Landfill Otjozondjupa Region. | Otavi Town Council |
| Environmental Management Plans, The proposed Hobas and Naukluft Camp Upgrade, Karas Region. | Namibia Wildlife Resorts |
| Environmental and socio-economic Impact assessment, The proposed Okahao-Iitapa pipeline (43Km). | Min of Agriculture, Water and Forestry |
| Environmental and socio-economic Impact assessment, Environmental Compliance Audit, The proposed Windhoek Aquifer Project, Windhoek. | City of Windhoek |
| Environmental and socio-economic Impact assessment, The proposed Otavi Poultry Project. | Fresh Farm Chicken cc |
| Environmental and socio-economic Impact assessment, The proposed Otjomuise Ext 5 Township, Windhoek. | Ino Investment (Pty) Ltd/ City of Windhoek PPP |
| Environmental and socio-economic Impact assessment, The proposed Rocky Crest Ext 4-9 Township, Windhoek. | City of Windhoek |
| Environmental and socio-economic Impact assessment, Environmental Compliance Audit , The proposed Coal Bed Methane exploration drilling at Machita Village, Caprivi Region. | CSG Energy Namibia (Pty) Ltd |
| Environmental and socio-economic Impact assessment, The proposed Landfill Gas Extraction from Kupferberg Landfill, Windhoek. | City of Windhoek |
| Environmental and socio-economic Impact assessment, Environmental Compliance Audit, The proposed Coal Bed Methane exploration drilling in the Huab Block, Kunene Region. | CSG Energy Namibia (Pty) Ltd |
| Environmental Management Plans, The proposed Ruacana Waste Disposal Site. | Ruacana Town Council |
| Environmental and socio-economic Impact assessment, The proposed Chemical warehouse in Windhoek. | Salute Trading (Pty) Ltd |
| Environmental and socio-economic Impact assessment, The proposed | Petrotek Namibia (Pty)Ltd |

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| Petrotek Fuel retail fuel facility at HKIA Airport, Windhoek. | |
| Environmental and socio-economic Impact assessment, The proposed NDC Kalkfeld Fuel retail facility, Kalkfeld. | Namibia Development Corporation (NDC) |
| Environmental and socio-economic Impact assessment, The proposed Oshikuku Fuel retail facility, Oshikuku. | Kobra Investments cc |
| Environmental and socio-economic Impact assessment, The proposed Oluzizi Fuel retail facility, Outapi. | Puma Energy Namibia Ltd |
| Environmental and socio-economic Impact assessment, The proposed Henties Bay Fuel retail facility, Henties Bay. | Puma Energy Namibia Ltd |
| Environmental and socio-economic Impact assessment, The proposed Gobabis Fuel retail facility, Gobabis. | Soft Cloud Investments (Pty) Ltd |
| Environmental and socio-economic Impact assessment, The proposed Ongwediva Fuel retail facility, Ongwediva. | A & S Entertainment |
| Environmental and socio-economic Impact assessment, The proposed Lafrenz Fuel retail fuel facility in the northern Industrial area, Windhoek. | Shell Namibia (Pty) Ltd |
| Environmental and socio-economic Impact assessment, The proposed 4-star Hotel, in Oshikango | Sun Square Hotel (Pty) Ltd |
| Environmental and socio-economic Impact assessment, The proposed Omafo Fuel retail fuel facility in Ohangwena region | Jack Kapolo |
| Environmental and socio-economic Impact assessment, Environmental Compliance Audit , The proposed Wenela Fuel retail fuel facility in Katima Mulilo. | Wenela Service Station |
| Environmental and socio-economic Impact assessment, Environmental Compliance Audit , The proposed B-One Fuel retail fuel facility in Rehoboth. | Erno Van Wyk |
| Environmental and socio-economic Impact assessment, The proposed Ongha Fuel retail fuel facility in Ohangwena Region | Marylin Properties (Pty) Ltd |
| Environmental and socio-economic Impact assessment, The proposed Swakopmund Strand Hotel , Swakopmund | Olthaver and List (Pty) LTD |
| Environmental and socio-economic Impact assessment, The proposed Kaap Agri Fuel retail fuel facility , Rehoboth | Shell Namibia (Pty) Ltd |
| Environmental and socio-economic Impact assessment, The proposed upgrade of Omakange-Ruacana road (85km) to bitumen standards. | Min of Works and Transport |
| Environmental and socio- Impact assessment, The proposed upgrade of Omafo-Outapi (100km) road to bitumen standards. | Min of Works and Transport |
| Environmental Impact assessment, The proposed waste water treatment Plant, Oshakati. | Oshakati/Ongwediva Town Council |
| Environmental and socio-economic Impact assessment, The proposed quarantine camps in Katima and Kopano, Caprivi Region. | Millenium Challenge Account |

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| Environmental Scoping Assessment, Beneficial Utilisation of biosolids at Gammams Waste Water Treatment Works, Windhoek | City of Windhoek |
| Environmental and socio-economic Impact assessment, The proposed fuel wholesale facility in Windhoek, Shared Petroleum | Shared Petroleum (PTY) LTD |
| Environmental Impact assessment, The proposed upgrade the fuel retail facility in Luderitz, Coastways Service Station | Engen Namibia (PTY) LTD |
| Environmental Impact assessment, The proposed expansion of the chemical handling facility at the port of Walvis Bay, Protea Chemicals Namibia - Omnia Group | Protea Chemicals Namibia (PTY) LTD Omnia Group |
| Environmental Impact assessment, The proposed bulk fuel storage facility in Walvis Bay, Merlus Properties | Merlus Properties (PTY) LTD |
| Environmental Impact assessment, The proposed bulk fuel storage facility in Rehoboth, St Mary's Hospital | St Mary's hospital |
| Environmental Impact assessment, The proposed upgrade the fuel retail facility in Windhoek, Eureka Service Station | Engen Namibia (PTY) LTD |
| Environmental Impact assessment, The proposed bulk fuel storage facility in Walvis Bay. | NAMCOR (PTY) (LTD) |
| Environmental Impact assessment, The proposed fuel retail facility in Ongwediva. | Querida's Enterprises/ Shell Namibia |
| Environmental Impact assessment, The proposed bulk fuel storage and consumer facilities in Karibib, Anglo Gold Mine. | Anglo Gold Ashanti - Navachab mine |
| Environmental Impact assessment, The proposed bulk fuel storage and consumer facilities at Langer Heinrich Mine, Erongo region | Langer Heinrich Uranium / Shell Namibia |
| Environmental Impact assessment, The proposed bulk fuel storage and consumer facilities at Hosea Kutako International Airport | Dollar Thrifty Car Rentals |
| Environmental Impact assessment, Bwabwata Exploration/Drilling of diamond exploration in Caprivi Region. | De Beers Marine Namibia/ Namdeb (PTY) LTD |
| Environmental Impact assessment, The upgrade of the BP Klein Windhoek Service Station. | BP Namibia (PTY) LTD / Klein Windhoek SS |

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Other Specialist/Scientific Work

| Activity | Client |
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| EMP, Health and Safety plan Compliance auditing and Supervision for CSG Energy Namibia (Pty) Ltd Gas Exploration in the Huab, Kunene Region. | CSG Energy Namibia (Pty) Ltd |
| EMP, Health and Safety plan Compliance auditing and Supervision for Windhoek Shell Depot, Khomas Region. | Vivo Energy Namibia Ltd |
| Safety, Health and Environmental awareness training and environmental monitoring of the construction of MR122 (Okahao-Omakange Road). | Roads Authority |
| Daberas mine hydrogeological study | Namdeb (PTY) LTD |
| Daberas mine slimes disposal dam site selection | Namdeb (PTY) LTD |
| Surface and groundwater pollution risk assessment, as a specialist study for Environmental Impact Assessment, Oujere Lifestyle project, Von Bach Dam | Tutungeni Africa Investments (PTY) LTD |
| Environmental Fatal Flaw Screening, Site selection – Offshore mooring facilities, Walvis Bay | Namcor (PTY) LTD / Namport (PTY) LTD |
| Chemical Analysis of metallurgical and environmental samples at Trekkopje Mine. | Trekoppje Mine |
| Pocket Beaches Site 2 Environmental Closure Audit. | Namdeb (PTY) LTD |
| Daberas Mine Water Quality Assessment. | Namdeb (PTY) LTD |
| Pollution Investigation, Impact assessment studies on the impact of the Daberas mine tailings dam seepage on the water quality of the Orange River and Riparian Vegetation. | Namdeb (PTY) LTD |
| Biodiversity Impact Assessment-Power line wayleave on Inhaca island in Mozambique. | SANTED |

LANGUAGE PROFICIENCY

| | <i>SPOKEN</i> | <i>READ</i> | <i>WRITTEN</i> |
|------------------|---------------|---------------|----------------|
| <i>English</i> | Excellent | Excellent | Excellent |
| <i>Afrikaans</i> | Good | Fair | Fair |
| <i>Oshiwambo</i> | | Mother Tongue | |