

Curriculum Vitae (CV) of Mr. Twalinohamba Akawa

1. Position: Environmental Assessment Practitioner

2. Name of Firm: Envirodu Consulting & Training Solutions cc

3. Name of Staff: Mr. Twalinohamba Akawa

4. Date of Birth: 15 March 1982 **Nationality:** Namibian

5. Education

Qualification	Specialization/Subjects	Completion Date	Institution (Mini-thesis title)
Master of Philosophy (MPhil) (Environmental Management)	Specialization: Development Planning and Environmental Analysis	March 2012	Stellenbosch University "Sustainability analysis of the Namibian marine fishing sector".
Bachelor of Science in Natural Resources & Conservation	Specialization: Fisheries and Marine Sciences	April 2005	University of Namibia "Influence of environmental factors on distribution of Cape hake".
International General Certificate of Secondary Education	Subjects: Development Studies (A), Physical Science (A), Biology (B), English (C) and Mathematics (C)	November 2000	Oshigambo High School

6. Membership in professional bodies:

EAPAN (Environment Assessment Professionals of Namibia) as **Apprentice Practitioner** (Membership #130)

Vantage Africa Monitoring & Evaluation Professionals Associations as **Associate Member**

7. Other Trainings

Qualification	Completion Date	Institution (Mini-thesis title)
Certified Monitoring and Evaluation Certificate	July 2024	Vantage Africa School of Leadership
ISO/IEC 17025: 2017 testing and calibration	July 2024	Spectrum Laboratories & Consultancy Namibia
ISO 9001: 2015 Quality Management System	November 2022	Worldwide Engineering Systems (SAQI) Membership Number: WOR001

8. Countries of Work Experience: Namibia

9. Languages Language:

	Speaking	Reading	Writing
English	Good	Good	Good
Oshindonga	Good	Good	Good

10. Employment Record

June 2013, until now (13 years): ENVIRODU CONSULTING & TRAINING SOLUTIONS CC as *Lead Environmental Assessment Practitioner/Owner*

Project development planning and environmental analysis: Project scoping (pre-feasibility study and risk analysis), scheduling, procurement, budgeting and preparations of tender documents.

Project appraisals: Appraise project and attract Foreign Direct Investment (FDI) and secure Tier-1 funding from institutions like the World Bank (IFC), DBSA, or DBN. Support proponent in complying with funding requirements including Environmental & Social Safeguard (ESS) Standards. Support adherence to **Performance Standards 1-8**, rigorous ESMS (Environmental & Social Management System).

Environmental compliance: Compliance and review of projects with relevant statutory and regulatory requirements. Undertake ESAs (Environmental Social Impact Analysis), RAs (Risk Analysis) and BFS (Baseline Feasibility Studies). Development of Environmental and Social Management Plans (ESMPs) and applications for Environmental Clearance Certificates.

Undertake **ecosystem health/biodiversity assessments**: water quality analysis, maritime pollution and monitoring.

Hiring/sub-contracting and support internal and external Consultants. Project implementation; ensuring projects are planned and delivered effectively and timely. Line management and development responsibilities for sub-contracted Consultants, EAPs and Field Assistants.

Monitoring & Evaluation: Project monitoring and evaluation using KPIs (key performance indicators).

November 2007-January 2025 (18 years): UNIVERSITY OF NAMIBIA as *Senior Marine Science Technologist*

General Laboratory management. Procurement logistics; sourcing of laboratory consumables and non-consumable items. New research project design and development of SOPs (standard operations procedures) for laboratories and equipment operations. Research project implementation/appraisal and preparation to ensure compliance to relevant statutory and regulatory requirements. Implementation of ISO (International Organisation for Standardization) requirements including ISO 9001: 2015 Quality Management System and BLMPs (best laboratory management practices).

Water quality analysis, sampling, equipment operation and reporting.

April 2006-October 2007 (1 year and 6 months): MINISTRY OF FISHERIES AND MARINE RESOURCES as *Fisheries Research Technician*

Worked for the project under the UNOPS to support new project activities for the CUFES (Continuous Underwater Fish Egg Counter) project under the Ministry of Fisheries and Marine Resources (MFMR).

Ensure the sub-contractor awarded the engineering tender to mount the CUFES on the Namibian Research Vessel (RV) (RV/*Welwitchia*) complies to regional and international requirements so that data collected meets international standards.

Support regional and international Consultants from elsewhere to be able to inspect the new Namibian CUFES for bench-marking and quality control purposes. Participate in regional marine surveys (South Africa/August 2005 onboard the Research Vessel/*Africana*) and international surveys (Norway/September 2005 onboard the Research Vessel/*Fridjof Nansen*) to witness CUFES operations. The CUFES project was later successfully integrated into the MFMR's activities and Mr. Akawa was later appointed as the Fisheries Research Technician responsible for CUFES along with other line duties.

11. Detailed tasks assigned	12. Work undertaken best illustrates Capability to Handle the Tasks Assigned
<p>The ECC for the proposed Rehoboth Scheme extension and upgrade will be issued but there will be conditions attached. Compliance obligations to these conditions shall be performed by an Independent Environmental Consultant by undertaking a list of tasks below:</p> <ul style="list-style-type: none"> • Ensure the Contractor appointed by the proponent to extend and upgrade the scheme is familiar with the Environmental Management Act (No. 7 of 2007); especially the conditions of award of the ECC. • Support the proponent (Contractor) in implementation of the ESMP, • Develop an environmental and social monitoring program (including audits and inspections) detailing how risks shall be mitigated, • Assist the proponent (and its Contractor) to review and update their ESMP at frequencies (normally 6 months) as specified in their ECC or their ESMP which should have been approved by the MEFT. • Prepare and submit bi-annual environmental and social monitoring reports to the MEFT. • Where applicable renew the ECC when it expires. 	<p>Name of Assignment: Ecosystem Health Assessment of the Walvis Bay Lagoon Year: 2024 to 2025 Location: Henties Bay Client/Proponent: Namibia Ports Authority (NAMPORT) Main Project Features: The Proponent for the proposed Ecosystem Health Assessment project was Namibia Ports Authority (NAMPORT). The Proponent was permitted by the Ministry of Environment, Forestry and Tourism (MEFT) to construct a port terminal by reclaiming land from the sea. The main concern by stakeholders during the EIA process was the construction and operation activities were close to a RAMSAR site.</p> <p>The MEFT took these concerns into consideration and ECC (Environmental Clearance Certificate) was issued on the conditions that the proponent implements and review its Environmental and Social Management (ESMP) by performing environmental monitoring of:</p> <ul style="list-style-type: none"> • Port construction and operation activities, • Identify potential negative environmental impacts on the Walvis Bay lagoon RAMSAR site and • Mitigate any potential negative impacts on the Walvis Bay lagoon RAMSAR site. <p>Implementation and review of the ESMP was undertaken on behalf of the Proponent by the University of Namibia (the Consultant) as an independent Consultant.</p> <p>Position held: Senior Marine Science Technologist</p> <p>Activities performed: As a Senior Marine Science Technologist, qualified EAP and a certified Monitoring & Evaluation Professional, Mr. Akawa performed the following activities:</p> <ul style="list-style-type: none"> • Procurement of field and laboratory equipment. • Collection of seawater and plankton samples and operation of specialized marine equipment to collect samples. • Co-ordination of marine research surveys in the Walvis Bay lagoon RAMSAR site. • Compile bi-annual (every 6 months) environmental monitoring report. • Review of the Environmental and Social Management Plans (ESMPs).

	<ul style="list-style-type: none"> • Use the bi-annual environmental monitoring report to renew the ECC when it expires.
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March-December 2022

11. Detailed tasks assigned	12. Work undertaken best illustrates Capability to Handle the Tasks Assigned
<p>In order to obtain the ECC, the following environmental project management services shall be provided:</p> <ul style="list-style-type: none"> • Conduct the EIA process in line with the Environmental Management Act (no. 7 of 2007), • Undertake the public consultation process as specified in the EIA Regulations (No. 4878 of 2012). • Compile the Environmental and Social Impact Assessment (ESMP) Report, • Develop the Environmental and Social Management Plan (ESMP), • identify which government line ministry is the competent entity. • Use the ESIA Report and ESMP to support an application of the ECC. 	<p>Name of Assignment: Scoping Report (including a Full EIA) and EMP Report for the proposed construction and operation of a fin-fish cage farm in Lüderitz, //Karas Region, Namibia.</p> <p>Year: 2022</p> <p>Location: Lüderitz</p> <p>Client/Proponent:</p> <p>Main Project Features: This project was within aquaculture sector and the authorizing entity who represented the government was the Ministry Agriculture, Fisheries, Water and Land Reform (MAFWLR). The consent letter was obtained from the MAFWLR through following a series of steps and this was the main feature of this project.</p> <p>Position held: Environmental Assessment Practitioner</p> <p>Activities performed:</p> <ul style="list-style-type: none"> • Project initiation, scoping, tendering, coordination, costing, scheduling, staffing/sub-contracting and submission of tender document to the Client for evaluation and approval. • Contract negotiation and signing. Attend inception meeting to validate methodologies and approaches in undertaking project activities including a water quality/environmental survey in Lüderitz. • Plan, co-ordinate and participate in a water quality/ environmental survey as well as compilations of Reports (EIA, EMP and speciality study Reports). • Support the Public Participation Process. Stakeholder consultations, obtain consent letters, reporting, feedback and monitoring and evaluation.

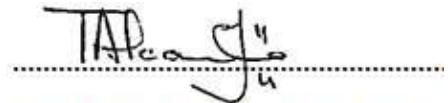
September-December 2022

13. Detailed tasks assigned	14. Work undertaken best illustrates Capability to Handle the Tasks Assigned
<ul style="list-style-type: none"> • Review the Contractor's Environment and Social Management Plan (C-ESMP), including all updates and revisions at frequencies specified in the Contractor's contract (normally not less than once every 6 months). • Review all other applicable Contractor's documents related to ES aspects including the health and safety manual, security management plan and SEA prevention and response action plan • Review and consider the ESHS risks and impacts of any design change proposals and advise if there are implications for compliance with ESIA, ESMP, consent/permits and other relevant project requirements. • Undertake as required, audits, supervisions and/or inspections of any sites where the Contractor is undertaking activities under its contract to verify the Contractor's compliance with ES requirements (including where appropriate its SEA obligations). 	<p>Name of Assignment: Provision of underwater hull cleaning services using the Scomberg Vacu-Cart and Reclamation Filtration System in Walvis Bay, Erongo region, Namibia. //Karas Region, Namibia.</p> <p>Year: 2022</p> <p>Location: Walvis Bay</p> <p>Client/Proponent: Ufudu Marine Namibia cc</p> <p>Main Project Features: This project was within marine transport sector and the competent entity who represented the government was the Ministry of Works and Transport (MWT). The consent letter was obtained from the MWT through following a series of steps and this was the main feature of this project.</p> <p>Position held: Environmental Assessment Practitioner</p> <p>Activities performed: Mr. Twalinohamba Akawa (Environmental Assessment Practitioner) responsible for overall project management, project screening and scoping, support to team members as well as launch application for the ECC.</p>

14. Certification:

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

Date: 8 January 2026

A handwritten signature in black ink, appearing to read "TWALINOHAMBA AKAWA", is written over a dotted line.

TWALINOHAMBA AKAWA