

COMPANY PROFILE

Environment, Land, Water and Air Solutions

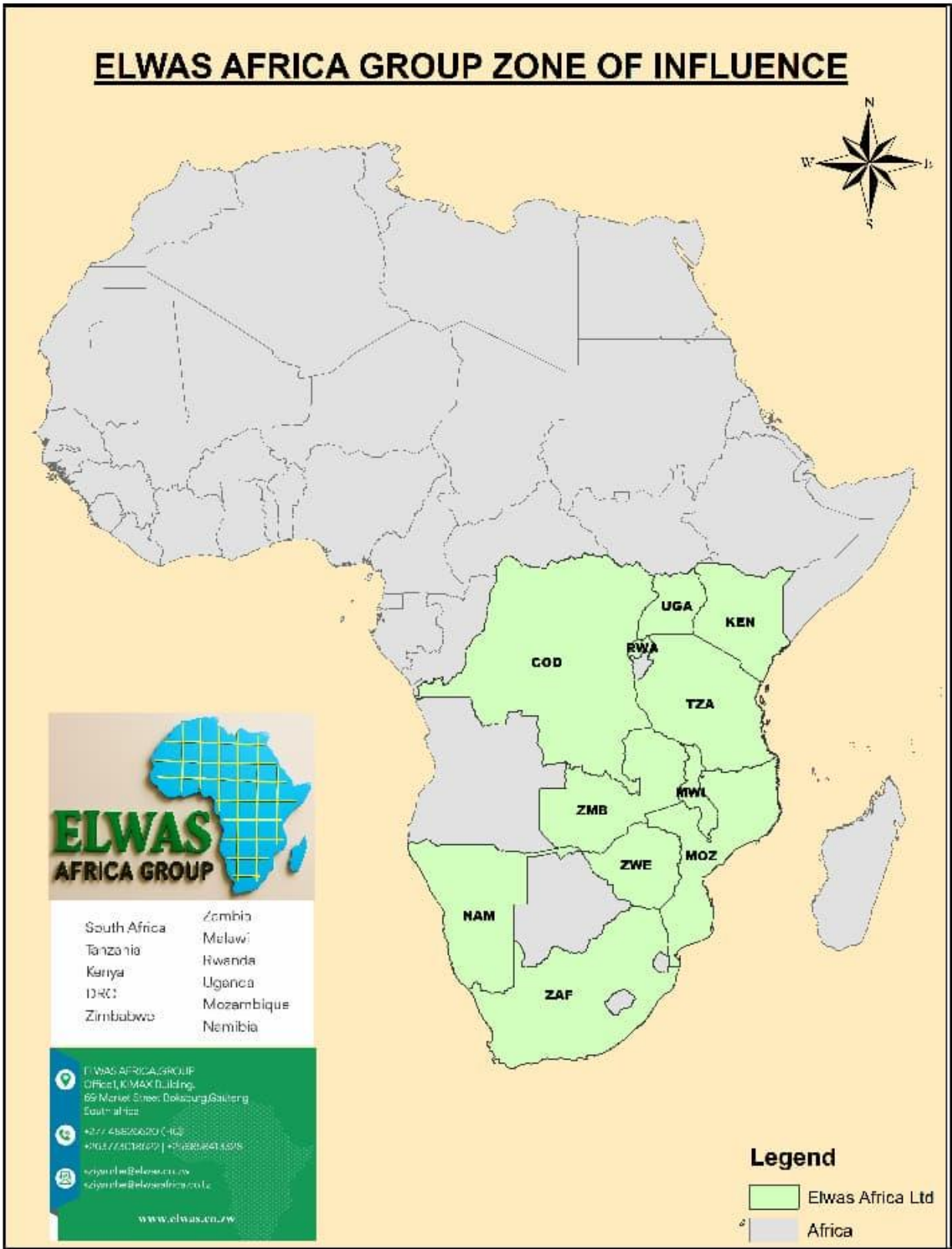


SOUTH AFRICA BRANCH	TANZANIA BRANCH	KENYA BRANCH	ZIMBABWE BRANCH	ZAMBIA BRANCH	NAMIBIA BRANCH	RWANDA BRANCH	MOZAMBIQUE BRANCH	DRC BRANCH	UGANDA & MALAWI
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ELWAS AFRICA GROUP



COMPANY OVERVIEW

ELWAS AFRICA GROUP is A group of companies incorporated and registered in Zimbabwe, South Africa, Tanzania, Uganda, Kenya, DRC, Mozambique, Malawi, Namibia, Rwanda and Zambia in line with each respective country laws. Also included within the group are Minifarind Lab Services Pvt Ltd, Greenaltar Energy Pvt Ltd and Nutriwise Foods Pvt Ltd. The consultancy firm focuses on providing consulting, training and research services to organisations in a broad spectrum of areas that include;

1. Environmental and Social Impact Assessment (ESIA)
2. Air Quality Emissions Testing (boilers, incinerators, generators, vehicles)
3. Industrial Hygiene (noise,dust,light,vibrationand ventilation)
4. GIS
5. AUDITS- SHEQ & LEGAL Compliance
6. Research
7. Trainings
8. Water and Effluent Monitoring
9. Systems Development and Implementation
10. SHE Management Softwares

ELWAS is there to assist industry and other stakeholders in complying with national environmental laws and regulations. We continually demonstrate environmental commitment to our industry partners and stakeholders through quality assurance. We work with all clients, regardless of size, as partners and warrants that all of our services are conducted with thorough and professional competence.

ELWAS consist of a dynamic and dedicated team of professionals from different sectors with skills to address the diverse nature of natural resources, environmental and social issues. Our consulting experience covers a diverse range of industry sectors such as

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mining, manufacturing and processing, forestry, engineering, administration, agriculture, water, housing and research and development.

We kindly invite you to browse through this company profile to find out how ELWAS can help you achieve cost-effective and sustainable ways to improve and manage your corporate environmental needs.



S. ZIYAMBE

Chief SHE & Sustainability Consultant

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VISION

Our vision is to serve the people of Africa through effective management of land, water and air quality for social and economic development.

MISSION

We shall deliver effective and efficient services towards the development and management of the environment, social and natural resources through an interactive, consultative and relationship-based approach with our clients.

Our service is based on the belief that the “value of a team is greater than the sum of the individual team members”, and our strength is therefore in our unity within cultural, technical and personal diversity.

Our mission is attainable through the principles of *integrity, transparency, commitment, communication and trust, relationship development, and excellence* with all deliverables aligned to the highest accredited standards.

OUR SERVICES

ELWAS renders services in various environmental fields to clients throughout Africa. To achieve the triple bottom line (people, planet and prosperity), our services aims to mitigate the negative effects of developmental projects on human health and the environment. Our highly qualified staff can render services in the following fields:

ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENTS (ESIAs)

We specialise in conducting Full Environmental and Social Impact Assessments in various industry sectors covering mining, agriculture, housing development, forestry, energy, waste management, manufacturing, processing and transport. We have the experience and expertise to advise clients about their legal obligations in terms of national, municipal by-laws and international standards. We are able to liaise, on their behalf, with all government departments in the environmental field.

We have many years of experience in the field of Environmental Impact Assessment and have established an experienced and expert group of specialist to assist with EIA projects. Specialists in the fields of botany, biodiversity, faunal studies, fresh water studies, heritage experts, visual impact, socio-economic, soil surveys and more, are at hand. Over the last couple of years, the EIA team has completed more than 15 major environmental assessments, environmental monitoring and facilitation projects, mostly in Harare and Manicaland provinces.

AIR QUALITY SURVEYS

We assist industries, regulatory authorities and the wider community by investigating and measuring air quality issues and offering pragmatic and cost-effective solutions. This includes measuring emissions and air quality in accordance with national and international standards, modelling air dispersion and air pollution impacts, developing management programmes and controls, and interpreting the regulations concerning air matters. Our expertise includes contour mapping of gaseous emissions, air dispersion and

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pollution levels that delivers a diagrammatic representation of predicted pollution levels from the source.

We also arrange and interpret results of emissions testing from boilers, generators, incinerators, vehicles and other process related emissions from industry. We undertake site investigation works to determine sources of emissions in workplaces and health sensitive areas such as office buildings and public places using our extensive expertise in chemicals and material properties, research, analytical methods, and systematic problem solving. We use a Flue Gas Analyser acquired from e-instruments which we calibrate on timely intervals.



SAFETY, HEALTH

Environment

environmental, health, safety and quality issues. ELWAS's team of qualified, experienced environmental auditors can undertake a range of audits. Our audit reports offer more than a simple compliance statement by providing risk assessments, corrective actions, and pragmatic and best practice recommendations to assist in managing environmental issues. We undertake the following types of audits:

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- Compliance audits including environmental and safety audits;
- Management audits and
- Functional audits such as for water, energy and waste.

OCCUPATIONAL HYGIENE

Dust: Our occupational hygiene experience extends over 10 years. We measure a variety of dust fractions from a variety of dust sources. Predominant amongst these is respirable dust (PM5) and inhalable dust (PM10). We maintain a large number of personal sampling pumps, real-time dust monitors, Dust traks and other air quality devices. Our services in occupational dust measurement include:

- Personal and static pump sampling;
- Sampling and assessment of a range of substances including, respirable dust, inhalable dust, respirable quartz, volatile organic compounds (VOCs), and stannic chloride;
- Design of solutions to contaminant exposure; and
- Recommendations of appropriate personal protective equipment (PPE).

Noise: Our highly skilled noise consultants provide expertise for noise problems for instance from industrial and commercial noise emissions, residential road traffic intrusion, internal noise quality, noise complaints and noise in the workplace. We provide solutions to noise problems by specifying and designing appropriate mitigation measures. Key areas we can assist in are noise impact assessments, noise monitoring and compliance, and occupational noise assessments. We use state of the art noise sound level meters for conducting our site investigations.

Light: Good lighting is important in ensuring that employees work comfortably and efficiently. We are experienced in carrying out light assessments as well in working environments. We advise industries on optimum light requirements for different work spaces and how to achieve them.

CONTAMINATION & REMEDIATION STUDIES

We have extensive experience in undertaking assessments to determine the extent and nature of existing site contamination including remediation actions. Our methods involve site confirm the nature and extent of contaminants that exist at the site. ELWAS use a best practice approach to soil sampling a potentially contaminated site that has a greater accuracy than conventional methods for identifying hotspots.

CLEANER PRODUCTION & GHG EMISSIONS

A cleaner production assessment identifies opportunities for increasing efficiency in the use of raw materials such as energy, water, chemical and materials to reduce waste and pollution that increase business productivity and efficiency. We prefer a pragmatic approach involving development of an on-site cleaner production team that includes site personnel to assist our consultants provide a meaningful assessment.

The assessment identifies process inefficiencies and opportunities for improvement. Taken further, feasibility studies can be undertaken on specific opportunities to enable potential financial and environmental savings to be realised.

Greenhouse gas assessments are now a standard requirement for many development applications. Our GHG assessments follow the accepted GHG standards and protocols and base calculations for GHG emissions on the GHG Protocol Corporate Standard and the National Greenhouse Accounts (NGA) Factors. Direct and indirect GHG emissions are estimated in tonnes of CO₂-e per annum. Options to reduce sources of greenhouse gas emissions are also provided.

HAZARDOUS CHEMICALS MANAGEMENT

Our experienced consultants can provide expert advice on the manufacture, handling, storage and transport of hazardous chemical substances and undertake studies required for compliance or to evaluate risk. Our capabilities in this area include:

Hazardous area zoning;

- Auditing for compliance with zoning requirements;
- Design of engineering solutions to satisfy hazardous area zoning requirements;
- Emergency Response Plans and staff training;
- Fire safety studies;
- Preliminary hazard analysis;
- Hazard and operability (HAZOP) studies; and
- Assessment of major hazard facilities.

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GIS SERVICES

We provide the full range of GIS services to satisfy all information needs for Spatial Planning and Management. Our services include the following:

- Land surveying and mapping
- Spatial Analysis & Modelling
- Map Production
- GIS Consultation

SAFETY, HEALTH AND ENVIRONMENTAL TRAININGS

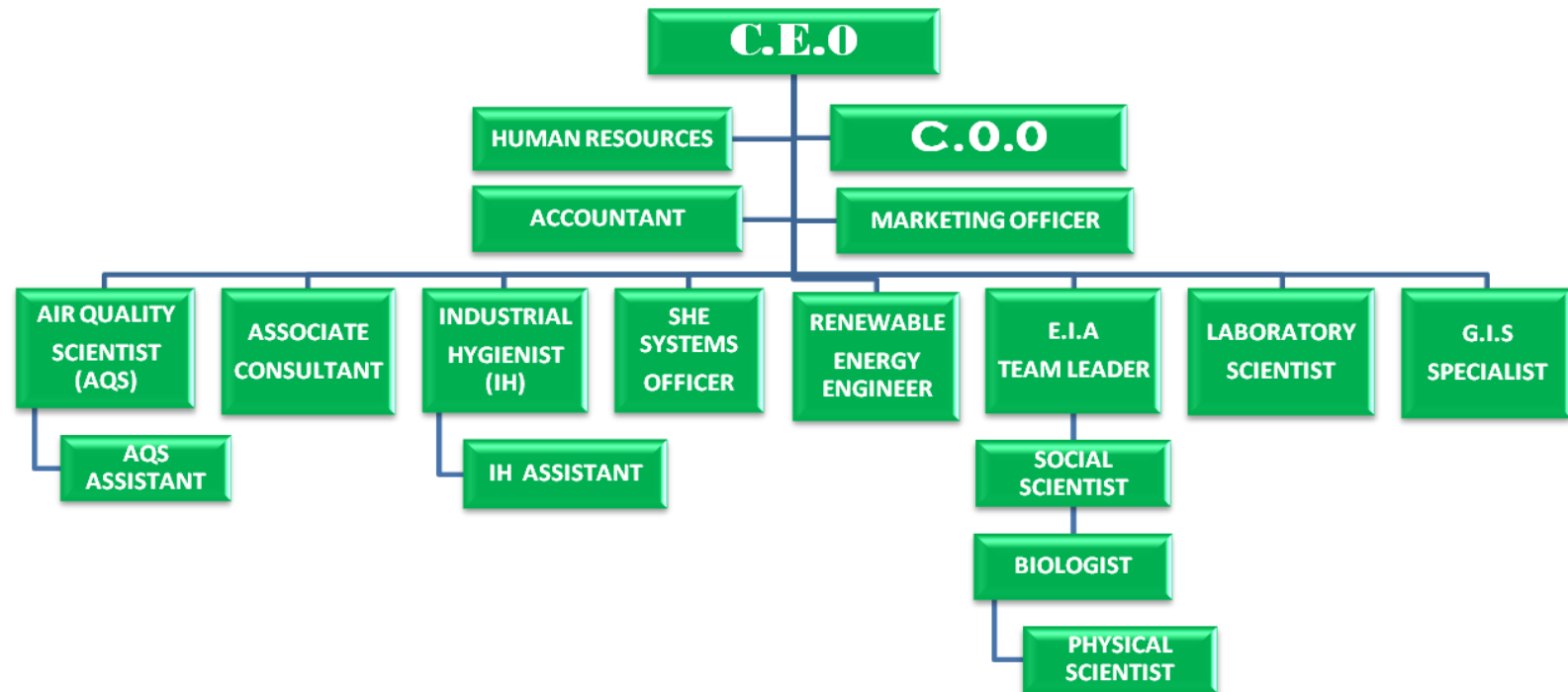
COURSES	
She risk assessment	The she managers' pack
SHE committee	The she officer pack
Covid-19 awareness	The environmental officer
Planned job observation	The environmental manager's pack
SHE Representative course	The she administrator pack
Basic first aid training	The bbs champion pack
She auditing	Sustainability managers pack
SHE systems development and implementation	Confined spaces entry
Manual handling	Airborne hazards in mining
Mine blasting licences	Fall protection
She policy awareness training	Making safe requirements
Principles of Accident prevention	Legal liability for mining
Emergency Preparedness and response	Hazard identification and risk management in mining
Hazardous Chemical substances	ICAM (Incident Cause Analysis Method)
Fire Fighting	The she managers' pack

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Behaviour based safety	Jackhammer operation safety
Accident/incident Reporting and Investigation	Vibration risks in mining
Hearing conservation	High wall safety.
Manual handling	Mobile equipment safety at a mine.
Awareness Training -Objectives and Targets	Chemical Handling
Water management	Legal register
Climate change	Internal Auditing
Hazard identification and risk management(HRA)	ISO 14001 (Environmental Management Systems) and OHSAS 18001 (Quality Management Systems)
SHE Communication Skills	

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ELWAS AFRICA IN ORGANOGRAM



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OUR TEAM

	MSc Safety, Health and Environmental Management (MSU) BSc (Hons) Geo & Environmental Studies Certificate in Workplace Health & Safety Management. SHATCO SHE Advisor's Training Course	Samson is the Group SHE & Sustainability Consultant. at ELWAS AFRICA. He has 25 years of work experience in developing and implementing management systems such as NOSA, ISO 14001, OHSAS 18001 and ISO 9001. He has vast experience in conducting occupational hygiene assessments, SHEQ auditing, SHEQ systems training, EIAs, Behaviour Based Safety (BBS) and Forest Management System (FSC).He previously worked at The Wattle company as a SHE Officer and at Hippo Valley as Acting SHE Advisor.
	PhD, Archaeology (University of Dar es Salaam, Tanzania)	Happinos Marufu is a Senior Archaeologist and Head of Archaeology Department employed by National Museums and Monuments of Zimbabwe, based at the Zimbabwe Museum of Human Sciences. He is a Ph.D holder in Archaeology and has vast experience in archaeological researches, archeological/ cultural impact assessments, museological practice and consultations in cultural heritage issues for more than 14 years. As an academician, Dr Marufu has contributed to the board of knowledge through publications in peer-reviewed journals, as well as lecturing at local universities.

Dr Happinos Marufu

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	PhD in Forest Ecology MSc in Environmental Policy and Planning MSc in Forestry	Donald is a principal Scientist with over 16 year's diverse experience in project management, planning, organizing, motivating and controlling resources. He has extensive experience in conducting research related to environmental issues with more than 17 scientific publications in peer-reviewed journals and books of international reputations. He has carried out projects in natural resource management, species conservation, water management, environmental conservation strategies, biodiversity surveys and ecological monitoring and environmental restoration.
	PHD Geography and Environmental Science	Winmore is an environmental and social scientist interested in Sustainable Development Goals (SDGs) and livelihoods. Kusena is an esteemed practitioner and researcher in social justice and development interface. Her expertise is in citizen/community participation and project planning nexus. Winnie has vast experience in working with both urban and rural communities. She is a seasoned researcher and trainer with several protégés under her care. She is a versatile environmentalist, social scientist, Geographer, qualified ecologist, and an authority in Freshwater Resources Governance, gender mainstreaming, and Environmental Assessment and Management. Winmore is well acquainted with the national, regional, and international environmental legislation.

Donald Mlambo (Dr)

Dr Winmore Kusena

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	BSc Geography and Environmental Science (Monash University-South Africa)	Cravlin is a dedicated Environmental Scientist with more than 5years working experience from various industry types including retail, NGO and primarily SHE Consulting. By working collaboratively with management, staff and clients, from diverse industry types. Cravlin has acquired the right combination of skills and experience required to be an efficient Environmental Scientist. He is the Head of Operations ELWAS Zimbabwe and has specialised experience in conducting ESIA's. He also engages in activities done in the Lab Services Water and Effluent, Air Quality, Industrial Hygiene, Systems and Standards, Legal Audits, Training, GIS, Research and Statistics and BBI Divisions.
Cravlin Pachiti (Mr)		
	B.Sc. Hons Electrical Engineering (UZ) Master of science in Mechatronics and Artificial Intelligence	Blessed is a renewable energy expert specialising in the design and development of renewable energy products. He also assists in climate change research, GHG emission inventory development, and conducting energy audits in industry.
	BSc Agriculture Economics (University of Zimbabwe) Post Graduate diploma in Food Security (University of KwaZulu Natal, South Africa)	Adelaide is a seasoned Food Security and monitoring and evaluation specialist.
Adelaide		

