SUSTAINEDGE
ADVISORY & ENGINEERING LIMITED

COMPANY PROFILE · 2026

# SUSTAINEDGE ADVISORY

## ENGINEERING SUSTAINABLE FUTURES

Engineering · Environment · Sustainability · Technical Advisory

**SustainEdge Advisory & Engineering Limited** | PACRA Reg. No. 120261052552 | Lusaka, Zambia

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**AT A GLANCE**

SustainEdge Advisory & Engineering Limited is a Zambian engineering, environmental, sustainability and technical advisory consultancy, co-founded by Lameck Kapela (Managing Director) and Natasha Mukupa Musonda (Director of Operations).

Registered in Zambia · PACRA No. 120261052552 · Lusaka

01 · CORPORATE OVERVIEW

# A Zambian consultancy integrating engineering, environment and sustainability

SustainEdge Advisory & Engineering Limited is a Zambian-registered engineering, environmental, sustainability and technical advisory consultancy, incorporated in August 2026 and based in Lusaka. We help public, development and private-sector clients plan, assess and deliver projects that are technically sound, environmentally responsible, socially acceptable and compliant with national and lender requirements.

The firm was co-founded by Lameck Kapela and Natasha Mukupa Musonda, who together bring more than a decade of hands-on professional experience across Zambian road and bridge programmes, World Bank and African Development Bank-financed infrastructure, mining-sector environmental permitting, United Nations field operations and donor-funded development programmes. That experience now underpins a single, accountable Zambian practice.

OUR POSITIONING

**ENGINEERING + ENVIRONMENT + SUSTAINABILITY + TECHNICAL ADVISORY**

We work where engineering decisions meet environmental, social and regulatory risk, so that infrastructure, mining, industrial and development investments are designed, permitted and delivered responsibly.

## Purpose

To give clients practical, evidence-based technical advice that reduces project risk, meets regulatory and financier obligations, and leaves lasting environmental and social value in the communities where projects are built.

## Who we serve

Government ministries and agencies, development partners and their implementing agencies, mining and industrial operators, contractors and engineering firms, NGOs and private enterprises across Zambia and the region.

## Registered business activities

| | |
|---|---|
| ISIC 3821 | Treatment and disposal of non-hazardous waste |
| ISIC 7210 | Research and experimental development on natural sciences and engineering |
| ISIC 0990 | Support activities for other mining and quarrying |
| ISIC 4290 | Construction of other civil engineering projects |

## Corporate registration

| | |
|---|---|
| **Registered name** | SustainEdge Advisory & Engineering Limited |
| **Trading name** | SustainEdge Advisory |
| **Legal status** | Private Company Limited by Shares |
| **Registration No.** | 120261052552 (Patents and Companies Registration Agency) |
| **Incorporated** | 20 August 2026, under the Companies Act, 2017 (Act No. 10 of 2017) |
| **Registered office** | Plot 7553/46, Ngwerere, Lusaka, Lusaka Province, Zambia |

02 · VISION, MISSION AND VALUES

# What we stand for

**VISION**

**To be a trusted Zambian partner in engineering sustainable futures, recognised for technical excellence in infrastructure, environment and sustainability across Africa.**

**MISSION**

**To deliver integrated engineering, environmental, ESG and technical advisory services that help clients build compliant, resilient and responsible projects, with practical solutions rooted in Zambian context and international good practice.**

## Core values

**01**
### Integrity
Honest, independent advice and transparent reporting, including findings clients may not want to hear.

**02**
### Technical rigour
Conclusions grounded in field evidence, sound data and recognised methods.

**03**
### Accountability
Clear ownership of deliverables, deadlines and quality, with director-level oversight.

**04**
### Sustainability
Long-term environmental, social and economic outcomes built into every recommendation.

**05**
### Respect for communities
Meaningful engagement with affected people, with attention to vulnerable groups.

**06**
### Collaboration
Working openly with clients, regulators, partners and specialists to deliver results.

## Commitment to professional excellence

Our work is led by registered, certified professionals who are accountable to their professional bodies as well as to our clients. We apply structured project management, documented quality review and the codes of conduct of the Engineering Institution of Zambia, the Engineers Registration Board and the Project Management Institute.

## Commitment to sustainable development

We believe well-planned infrastructure and industry can drive inclusive growth without degrading the natural systems and communities they depend on. Our advice aims to protect people and ecosystems, use resources efficiently, build climate resilience and support Zambia's national development priorities and the Sustainable Development Goals.

03 · CORE SERVICES

# Five integrated service pillars

Each pillar can be procured on its own or combined into an integrated package across a project's life cycle, from feasibility and permitting through construction and operation.

## 1 PILLAR 1 — Environmental and Social Safeguards, Compliance & ESG

End-to-end safeguards services that help projects meet Zambian regulatory requirements and the standards of international financiers, from screening and impact assessment to implementation monitoring.

- Environmental and Social Impact Assessments (ESIA)
- Environmental and Social Management Plans (ESMP)
- Environmental and Social Management Frameworks (ESMF)
- Resettlement Action Plans (RAP)
- Environmental and social screening and due diligence
- Stakeholder engagement and community consultations
- Grievance Redress Mechanisms (GRM)
- Environmental compliance monitoring and auditing
- ESG assessments and advisory
- Occupational health and safety (OHS)
- Environmental risk management
- Construction environmental management

**Frameworks we work to:** World Bank ESF (ESS1 to ESS10) · IFC Performance Standards · AfDB Integrated Safeguards System · Environmental Management Act, 2011 · ZEMA EIA & licensing requirements · OHS Act, 2010

## 2 PILLAR 2 — Engineering and Infrastructure Development

Engineering advisory that brings environmental and sustainability thinking into the planning, design review and delivery of roads, bridges, water, waste and industrial infrastructure.

- Environmental engineering
- Civil engineering advisory
- Infrastructure planning and technical assessments
- Construction environmental management
- Engineering feasibility studies
- Infrastructure sustainability assessments
- Technical supervision and monitoring support
- Engineering research and development
- Infrastructure environmental compliance

**Consultancy, not contracting.** SustainEdge provides engineering consultancy, technical assessment and supervision-support services. Although civil engineering construction (ISIC 4290) is a registered activity, we do not present ourselves as a works contractor; any works-related role would be undertaken only with the required contractor registration and in partnership with qualified firms.

## 3

PILLAR 3

### Waste Management and Circular Economy

Practical waste and resource-recovery systems for municipalities, mines, industry and enterprises, grounded in waste data, material flows and commercial viability.

- Integrated solid waste management
- Electronic waste (e-waste) management
- Waste characterisation and audits
- Material Flow Analysis (MFA)
- Waste collection and recovery systems
- Recycling and resource recovery
- Circular economy strategies
- Extended Producer Responsibility (EPR)
- Waste minimisation and pollution prevention
- Waste management planning
- Sustainable waste treatment and disposal solutions

**Turning waste into value.** We help municipalities, industry and recyclers identify bankable opportunities in resource recovery, industrial waste streams, e-waste and EPR-driven value chains, in line with the Solid Waste Regulation and Management Act, 2018.

## 4

PILLAR 4

### Climate Change and Sustainability

Helping clients understand climate risk, cut emissions and build resilience into assets and operations.

- Climate change adaptation and resilience
- Climate risk and vulnerability assessments
- Greenhouse gas accounting and emissions assessments
- Environmental sustainability strategies
- Climate-resilient infrastructure
- Environmental performance monitoring
- Resource efficiency
- Pollution prevention
- Sustainability reporting and advisory

## 5

PILLAR 5

### Research, Technical Advisory and Project Management

PMP-led planning, coordination and MEL that keeps complex programmes on scope, schedule and budget.

- Applied engineering and environmental research
- Technical feasibility studies
- Project planning and management
- Programme coordination
- Monitoring, Evaluation and Learning (MEL)
- Technical assessments and reporting
- Institutional capacity building
- Training and knowledge development
- Development programme advisory
- Stakeholder and partnership coordination

04 · TECHNICAL CAPABILITIES AND DELIVERY METHODOLOGY

# A disciplined approach to every assignment

## Technical competencies

### Safeguards & compliance

ESIA/ESMP/RAP preparation, environmental project briefs, ZEMA and WARMA permitting, compliance audits

### Data & spatial analysis

GIS mapping and spatial analysis; quantitative and qualitative analysis (STATA, SPSS, Excel); KoboToolbox and digital data collection

### Field & monitoring

Site and corridor surveys, borrow-pit and materials site assessments, dust, noise, erosion, drainage and water-use monitoring

### Project & programme management

PMI-certified planning, scheduling, risk and stakeholder management; results frameworks and MEL systems

## Assignment delivery approach

**01**
**Inception & scoping**
Clarify objectives, ToR, legal and lender requirements, risks and work plan.

**02**
**Baseline & field investigation**
Site visits, surveys, sampling, GIS mapping and data collection.

**03**
**Analysis & assessment**
Impact, risk, technical and options analysis using recognised methods.

**04**
**Engagement & consultation**
Inclusive consultation with communities, regulators and stakeholders.

**05**
**Reporting & review**
Clear, decision-ready deliverables through internal quality review.

**06**
**Implementation support**
Monitoring, audits, capacity building and corrective-action follow-up.

### Quality assurance

- Director-level review of every deliverable before issue
- Checklists against ToR, legislation and lender standards
- Traceable field records, data and sources
- Version control and client comment logs
- Lessons captured after each assignment

### Stakeholder engagement

- Stakeholder mapping and engagement plans
- Consultations with traditional leaders, councils and regulators
- Gender-responsive and inclusive methods
- Engagement in English, Bemba and Nyanja
- Accessible grievance channels

### Health, safety & environment

- Task risk assessment before fieldwork
- PPE and safe working on active sites
- Respect for client and site HSE rules
- Low-impact fieldwork and waste handling
- Prevention of sexual exploitation and abuse

05 · SECTORS AND MARKETS SERVED

# Where we add value

Each client group has different priorities, such as financier compliance, regulatory approval, operational risk, cost and reputation. We shape our services around them.

### Government

Ministries, local authorities, regulators and infrastructure agencies

**We offer:** Safeguards instruments, compliance reviews, waste and climate planning, technical studies

### International development

UN agencies, World Bank, AfDB, EU-funded and bilateral programmes

**We offer:** ESF/ISS-compliant instruments, E&S monitoring, MEL, programme coordination

### Mining

Mining companies, contractors and extractive-industry service providers

**We offer:** Environmental project briefs, monitoring, tailings and waste management, permits

### Infrastructure

Road, bridge and building projects; contractors, developers and engineering firms

**We offer:** Construction E&S management, contractor audits, ESMP implementation

### Water & sanitation

Utilities, water and sanitation institutions and WASH programmes

**We offer:** ESIA/ESMP, hydrology and drainage inputs, WASH studies and evaluations

### Manufacturing & industry

Industrial operators and manufacturers

**We offer:** Waste audits, MFA, pollution prevention, resource efficiency, EPR compliance

### Private sector

Corporates, SMEs, sustainability teams, waste and recycling businesses

**We offer:** ESG assessments, sustainability reporting, circular-business strategies

### NGOs & research

International NGOs, universities and research institutions

**We offer:** Applied research, field data collection, baseline and evaluation studies

## HOW WE CAN ENGAGE

**Lead consultant**

Full responsibility for smaller and medium safeguards, waste, compliance and advisory assignments.

**Specialist subconsultant**

Environmental, social, waste or MEL specialist inputs to larger engineering and design teams.

**Technical partner**

Local expertise and regulatory knowledge for regional and international firms working in Zambia.

**Consortium member**

Joint-venture or consortium roles on donor-funded and public tenders, as procurement rules allow.

06 · LEADERSHIP AND PROFESSIONAL EXPERTISE

# Founders and Board of Directors



CO-FOUNDER & MANAGING DIRECTOR

## Lameck Kapela

**Environmental Engineer · Reg. Eng. (EngRB) · PMP® · MBA**

Environmental engineer with over ten years of experience in environmental and social safeguards, compliance monitoring, waste management and infrastructure environmental management. He leads the technical and strategic direction of SustainEdge Advisory, with experience spanning World Bank and AfDB-financed road and bridge projects, mining-sector permitting and four and a half years as Environmental Engineer with the United Nations Mission in South Sudan (UNMISS).

### Academic qualifications

- Specialist Degree in Environmental Engineering (Environmental Protection and Rational Utilisation of Natural Resources), Voronezh State University of Engineering Technologies, 2015 (recognised by ZAQA as a Master's Degree, ZQF Level 9)
- Master of Business Administration (Project Management), University of Zambia, 2024
- Postgraduate Diploma in Teaching Methodology

### Core expertise

E&S safeguards (World Bank ESF, AfDB) · ESIA, EPB and RAP preparation · construction compliance monitoring · solid waste management · stakeholder engagement · project management · OHS training

Languages: English, Bemba, Russian, Nyanja

### Registration, certification and training

- Project Management Professional (PMP®), Project Management Institute, 2026
- Registered Engineer (Environmental Engineering), Engineers Registration Board, since 2020
- Member, Engineering Institution of Zambia (admitted as Professional Engineer, 2020)
- Member, Impact Assessment Association of Zambia (affiliate of IAIA), since 2019
- World Bank Group: Environmental and Social Framework (ESF) Fundamentals, 2020
- Environmental Security and Sustaining Peace (UN Environment / SDG Academy), 2019
- Short courses: Financing and Investing in Infrastructure (Università Bocconi); GIS, Mapping and Spatial Analysis (University of Toronto); Analysis and Interpretation of Data (Queen Mary University of London)



CO-FOUNDER & DIRECTOR OF OPERATIONS

## Natasha Mukupa Musonda

**Agricultural Economist · Programme Management · MEL**

Agricultural economist and development professional with over eight years of experience in donor-funded programme implementation, monitoring, evaluation and learning, value-chain development, climate-resilient agriculture and stakeholder coordination. As Director of Operations she oversees the firm's operations, assignment logistics and MEL, research and community-engagement capability.

### Academic qualifications

- Bachelor of Science in Agricultural Economics, University of Zambia, 2015
- Postgraduate Diploma in Programme Planning, Monitoring and Evaluation, Mulungushi University, 2025
- Master of Business Administration (Project Management), University of Zambia (in progress)

### Selected professional experience

- Resident Expert, Dorsch Impact GmbH, GIZ Climate-Resilient Agri-Food Systems (CREATE) Project, Eastern Province (2026 to present)
- District Technical Officer, DAI, USAID-funded programme, Chibombo District (2020-2023)
- Business & Marketing Development Facilitator, World Vision Zambia (2018-2020)
- Research and evaluation assignments for WaterAid, USAID READ and Land O'Lakes Venture 37 programmes (2023-2024)

### Leadership at a glance

**18+**
combined years of professional experience across the two co-founders

**3**
countries of professional field experience: Zambia, Botswana and South Sudan

**500+**
people trained in environment, health and safety by the Managing Director at UNMISS

06 · LEADERSHIP AND PROFESSIONAL EXPERTISE

# Experience behind the firm

The co-founders built their experience before SustainEdge Advisory was incorporated in August 2026, with previous employers or as individual consultants. The assignments below illustrate the Managing Director's track record and the depth of expertise he brings to the firm.

## Lameck Kapela, Co-Founder & Managing Director: selected assignments

| Period | Project · client / role | Contribution and results |
|---|---|---|
| **2026** | **Kazungula-Sesheke Road (~215 km), Zambia**<br>Road Development Agency (independent consultancy) | Hydrological field investigation: corridor flood and drainage survey, culvert and drain capacity checks, community flood-history interviews; inputs to Phase 1 hydrological report **used in the ESIA** |
| **2021-2025** | **UN Mission in South Sudan (UNMISS)**<br>United Nations, Environmental Engineer | Site assessments for four proposed waste-management yards (**all approved**); environmental inspections of 5+ UN sites, raising compliance **from below 60% to 78%**; trained **500+** staff, contractors and community members in EHS |
| **2020-2021** | **Mbala OPRC Road Package 7 & Mkushi OPRC Package 1, Zambia**<br>World Bank-financed (IRCP, P159330) / RDA, E&S Safeguard Specialist | Environmental project briefs, including the RD4-1 borrow pits EPB (**ZEMA cleared**); contractor site audits against the World Bank ESF; borrow-pit assessments; community complaints on land access and resettlement |
| **2020** | **Kazungula Bridge, Package 3, Zambia/Botswana**<br>AfDB/JICA co-financed, Environmental Control Officer | Site monitoring of dust, noise, erosion, waste and water use; compliance raised **from 56% to 78% in one month**; **WARMA water abstraction permit secured** after a two-year delay |
| **2020** | **Mining sector, Copperbelt**<br>Mining clients, Environmental Advisor | Lead author of a wash plant and tailings pit Environmental Project Brief, Kitwe **(ZEMA approved)**; environmental and safety monitoring set-up; staff training and permit support |
| **2016-2019** | **Isoka-Muyombe-Chama-Lundazi Road, Zambia**<br>Kiran & Musonda Associates / RDA, Environmental Engineer | Ecology and soil baseline surveys and inputs to the ESIA (**ZEMA approved, 2019**); environmental audits and plans; **Resettlement Action Plan preparation** and community consultations |

07 · WHY SUSTAINEDGE ADVISORY

# A focused partner for responsible projects

### 1 Integrated expertise

Engineering and environmental disciplines under one roof, so technical and safeguards issues are solved together rather than in silos.

### 2 Zambian regulatory knowledge

Direct experience with ZEMA, WARMA, RDA and local authorities, and with the approvals that keep projects on schedule.

### 3 Donor-project exposure

Leadership experience on World Bank, AfDB/JICA and United Nations operations and their reporting and compliance demands.

### 4 International safeguards fluency

Working knowledge of the World Bank ESF, IFC Performance Standards and AfDB safeguards.

### 5 Director-led oversight

A registered engineer and PMP-certified Managing Director, supported by a Director of Operations, is directly accountable for every assignment.

### 6 Evidence-based, context-sensitive

Field-verified data and practical recommendations that fit local conditions, budgets and capacity.

### 7 Collaborative delivery

Multidisciplinary teams built around each assignment, working closely with clients and partners.

### 8 Specialist mobilisation

Access to associate experts and partner firms to scale up for larger or specialised assignments.

OUR VALUE PROPOSITION

**Senior-level technical attention, local regulatory insight and international safeguards standards, delivered with the responsiveness and cost-efficiency of a focused Zambian firm.**

### Our commitment to clients

- Clear scope, realistic timelines and transparent fees
- Direct access to the Managing Director
- Deliverables that meet regulator and financier expectations
- Confidentiality and professional independence
- Prompt communication and responsiveness

### Partnership and collaboration model

We welcome teaming with engineering consultancies, international firms, NGOs and research institutions. Typical arrangements include subconsultancy agreements, joint ventures, consortia and associate-expert networks, structured to meet each client's procurement rules and to strengthen local content and capacity.

08 · CORPORATE INFORMATION AND CONTACT

# Let's engineer sustainable futures together.

We welcome invitations to submit expressions of interest, proposals, quotations and tenders, and enquiries about partnership and teaming.

**REGISTERED NAME**
SustainEdge Advisory & Engineering Limited

**REGISTRATION**
PACRA No. 120261052552 · Incorporated 20 August 2026

**LEGAL STATUS**
Private Company Limited by Shares, Republic of Zambia

**REGISTERED OFFICE**
Plot 7553/46, Ngwerere, Lusaka, Lusaka Province, Zambia

**DIRECTOR OF OPERATIONS**
Natasha Mukupa Musonda

**MANAGING DIRECTOR**
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**LINKEDIN**
SustainEdge Advisory & Engineering Limited

SUSTAINEDGE
ADVISORY & ENGINEERING LIMITED

## ENGINEERING SUSTAINABLE FUTURES

SustainEdge Advisory combines engineering discipline with environmental and social responsibility to help our clients build projects that last: for people, for industry and for the environment.