African Sun Holdings

Join us in delivering successful, profitable, net-positive projects at scale that command global attention

January 2026

LEADING INNOVATIVE BIOMASS SOLUTIONS
CREATING WATER AND FOOD SECURITY
RESTORING LAND AND BIODIVERSITY

About ASH

African Sun Holdings (ASH) is developing one of the largest regenerative agriculture business in the southern hemisphere, having amassed 15 million hectares of land across Ethiopia, Namibia and South Africa

Our carbon removal technologies include producing and selling biochar, biofuels, and power. All our technology is closely linked to the generation and sale of carbon sequestration credits

- ✓ Removal of invasive alien biomass from significant hectares of land
- ✓ Restoration of depleted water tables
- ✓ Removal of carbon through the production and sale of biochar and other carbon sequestration products
- ✓ Switch from fossil to renewable power generation
- ✓ Remediation of agricultural land for regenerative, nature-friendly farming
- ✓ Restoration and rewilding of biodiverse areas in partnership with UN
- ✓ Soil decontamination and improved water retention
- ✓ Support for local communities and economies through employment with a priority for women's economic empowerment

The ASH team combines proven on-the-ground expertise in the fields of operations, finance, management, and research within Africa, with international financial markets and carbon removal knowledge

An Unseen Crisis is Depleting Southern Africa's Most Precious Resources

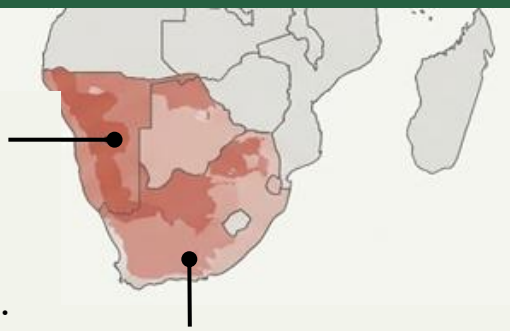
1 hectare cleared of invasive plants provides the annual water requirements for 1,300 people

Issues

- Enormous encroachment of invasive vegetation in Africa – increasing at 8% per annum
- Reduction of viable food-producing land
- Decimation of local water table by invasive alien plants
- Industrial waste to landfill
- Demand for alternative power
- Rising demand for carbon credits

ASH Solutions

- ✓ Clearance of invasive plant biomass and produce biochar, woodchips, torrefied wood, pellets, bricks, biofuels and power
- ✓ Removing invasive biomass creates land for rewilding or regenerative farming, which increases biodiversity and environmental improvements on recovered land
- ✓ Significant long-term increase in the water table for local communities
- ✓ Increase in agricultural land leading to long-term food security
- ✓ Climate resilience: reduced vulnerability to natural disasters like droughts, floods and wildfires
- ✓ Stimulating local employment and alternative economies
- ✓ Creation of carbon credits on all outputs



In Namibia, **40+ million** hectares are affected by invasive species.

This is an area larger than Germany

In South Africa, **25+ million** hectares are affected by invasive species.

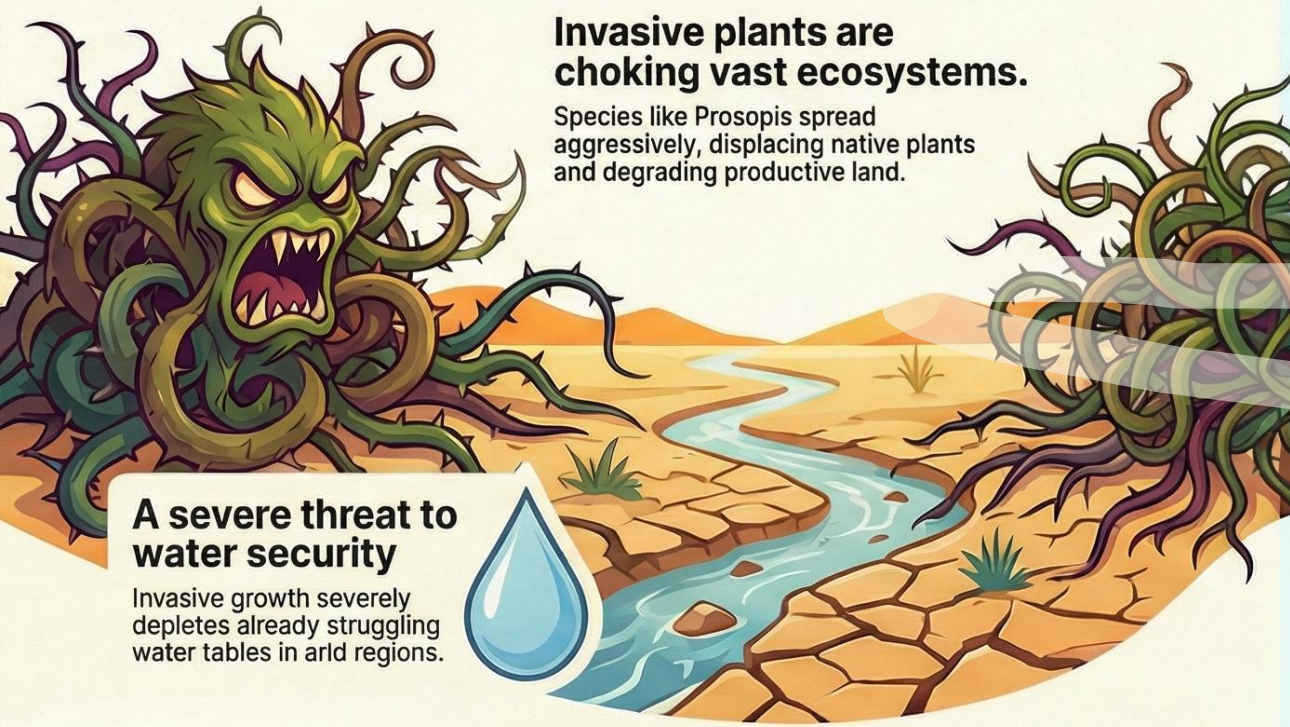
This is an area comparable to the United Kingdom

Our Solution: A Regenerative Engine Fuelled by the Problem Itself

African Sun Holdings: Restoring Land, Revitalising Communities

Our innovative business model addresses invasive plant threats across Southern Africa and beyond by converting harmful biomass into biochar. This process mitigates climate change, restores land and biodiversity, improves water tables and strengthens food security. Funded through high-integrity carbon credits, it also creates lasting local employment

The Challenge: Invasive Species in Southern Africa



Invasive plants are choking vast ecosystems.

Species like Prosopis spread aggressively, displacing native plants and degrading productive land.

A severe threat to water security

Invasive growth severely depletes already struggling water tables in arid regions.

Local economies and livelihoods are at risk.

Land degradation reduces farming viability and contributes to high unemployment in rural areas.

The Solution: A Regenerative, Community-Focused Model

From invasive biomass to high-value biochar

ASH clears invasive plants and uses low-technology klins to create biochar for carbon sequestration.

Restoring land, water, and biodiversity

This process recharges water tables, improves soil health, and enables regenerative agriculture.

1 cleared hectare restores the annual water needs of 1,300 people.

This UN-estimated impact highlights the profound value of land restoration.

Projected Annual Impact

Up to **100,000** **Hectares**
Annual Land Restoration Aim

Over **2.5m**
Annual Carbon Credit Generation

~20,000 **permanent positions**
Job Creation Pipeline

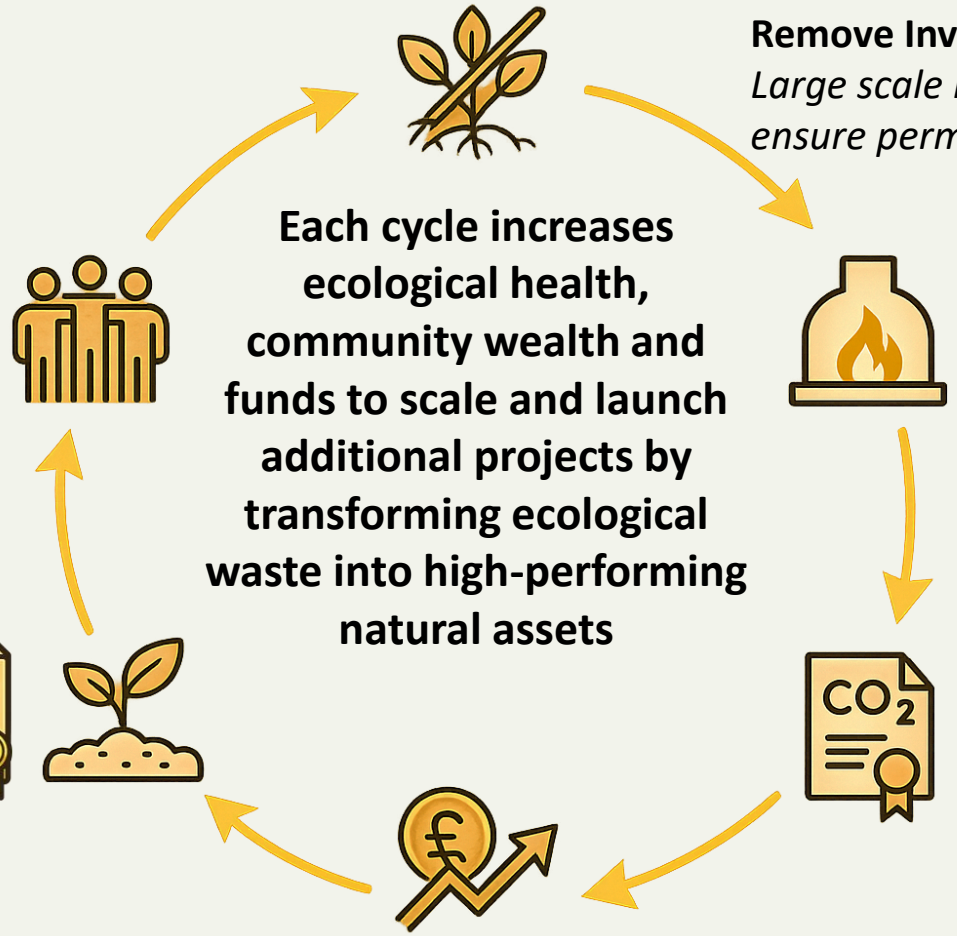
Biochar – the new Black Gold

- ✓ **Soil Health and Structure Enhancement:** Biochar improves soil physical properties by reducing bulk density, enhancing porosity, and increasing water-holding capacity. These changes aid in water retention, root development, and nutrient availability, especially in compacted or degraded soils.
- ✓ **Improved Chemical Properties for Better Nutrient Retention:** Biochar application positively impacts soil chemical properties by increasing soil pH, reducing salinity, and enhancing cation exchange capacity (CEC), which helps retain essential nutrients and prevents leaching. This is particularly beneficial in low-nutrient soils.
- ✓ **Enhanced Water Use Efficiency and Reduced Fertilizer Needs:** Biochar improves water use efficiency by up to 20%, with higher efficiency for leafy crops. Acting as a slow-release fertilizer, it retains nutrients in the soil, reducing the need for frequent irrigation and fertiliser application.
- ✓ **Boost to Soil Microbial Activity:** Biochar provides carbon and nutrients, creating a favourable habitat for soil microorganisms. This increases microbial activity and biomass, supporting nutrient cycling and soil stability.
- ✓ **Increased Crop Productivity:** Biochar application has improved crop yields by 1-42%, particularly in low-nutrient soils. Field studies have demonstrated benefits for both field and tree crops, including enhanced growth rates, increased fruit yields, and improved crop resilience.

Puro, Rainbow, Verra or Carbon Standards International accredited made using the latest equipment and monitoring software

The ASH Regenerative Business Model – A Self-Reinforcing Cycle of Restoration and Return

AFRICAN SUN HOLDINGS DELIVERING SUCCESSFUL, PROFITABLE NET-POSITIVE PROJECTS AT A SCALE THAT COMMANDS GLOBAL ATTENTION



Each cycle increases ecological health, community wealth and funds to scale and launch additional projects by transforming ecological waste into high-performing natural assets

Remove Invasive/Nuisance Biomass

Large scale manual harvesting with full root removal to ensure permanent eradication and prevent regrowth

Produce High Quality Biochar

Harvested biomass is initially processed into biochar using artisan methods to maximise local employment, with industrial processing introduced later to scale environmental and economic benefits, while artisan production remains central to our focus. Alternatively, the Biomass can be transformed into Wood Pellets for Power, Torrefied Wood, Wood Vinegar or Animal Feed

Generate Verifiable Carbon Credits

The sequestered carbon is quantified according to the appropriate methodology with external auditors to ensure transparency and compliance

Create Revenue & Reinvest

Sale of Carbon Credits and Biochar fund operations, community programmes, establish agricultural hubs and logistics and implementation costs of Phase 2

Phase 2 – Use of Cleared Land

Once the land is cleared, it is either rewilded to restore ecosystems, biodiversity, and the water table funded by Nature Based Credits, or a limited proportion is used for food production or sustainable supply chain crops, with the remainder reserved for long term ecological restoration

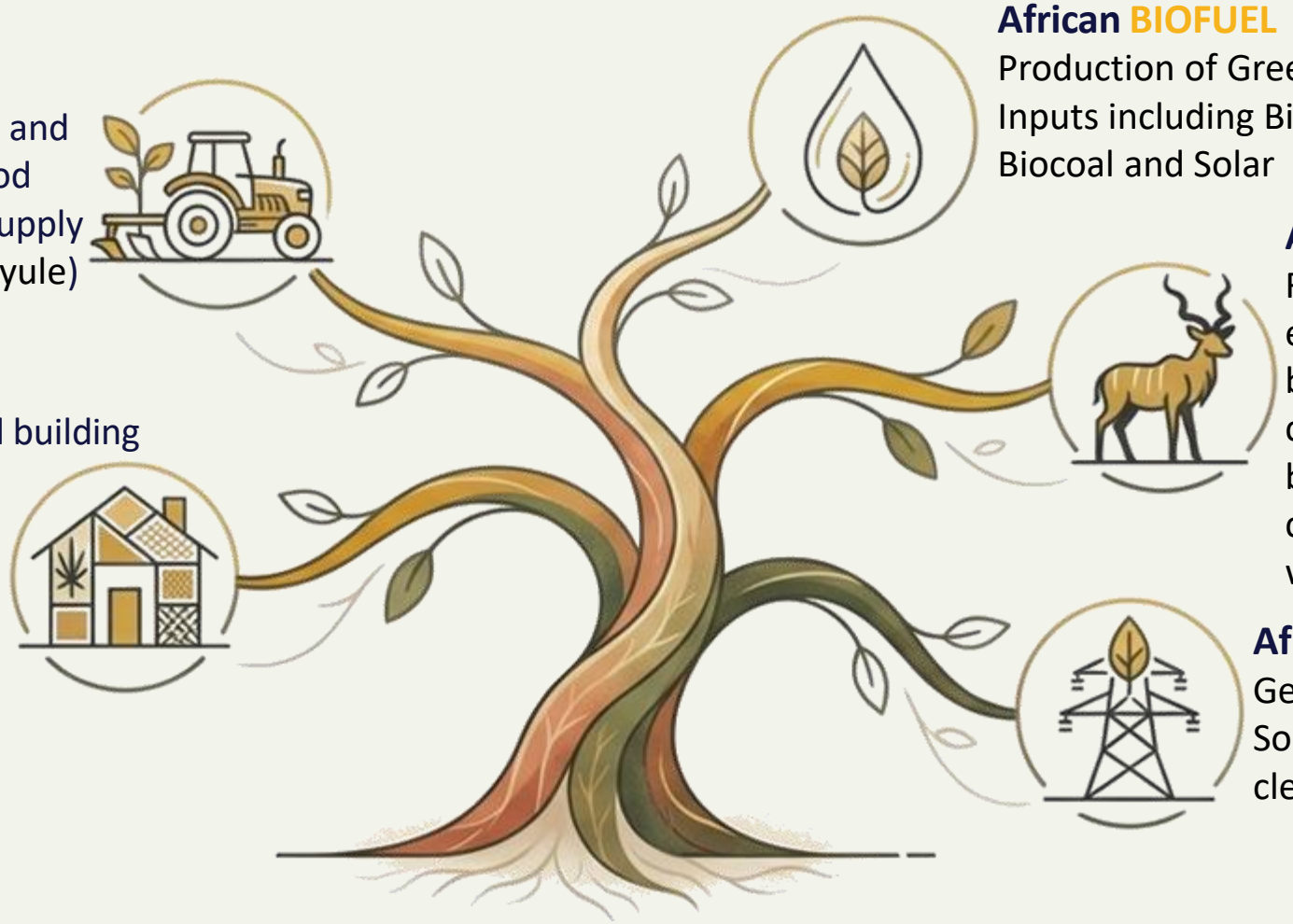
Empowering Communities

Long-Term Employment, Training, Investment in Infrastructure (Agricultural and Manufacturing Machinery, Roads, Creches and Impact Financing)

Phase 2: Cleared Land Repurposed for a Regenerative Future

African FARMING
Climate Smart Regenerative and Cooperative Farming for Food Security, Animal Feed and Supply Chains (e.g., Hemp and Guayule)

African HOUSING
Sustainable construction and building material like Hempcrete



African BIOFUEL
Production of Green Power and Energy Inputs including Biofuel, Aviation Fuel, Biocoal and Solar

African REWILDING
Restoration of degraded land and ecosystems to recover, improving biodiversity, while increasing climate resilience. Outcomes can be monetised via nature-based credits that operate in a similar way to carbon credits

African POWER
Generating Power from Biomass or Solar Panels etc. installed on cleared land

Our Impact, by the Numbers

1,300 PEOPLE

"Clearing just one hectare of invasive plants restores enough water to meet the annual needs of 1,300 people"[1]

100,000 HECTARES

We aim to restore up to 100,000 hectares of land annually, converting it for regenerative agriculture and rewilding

20,000 JOBS

Our current pipeline of 20+ projects is set to create approximately 20,000 permanent employment opportunities in rural areas

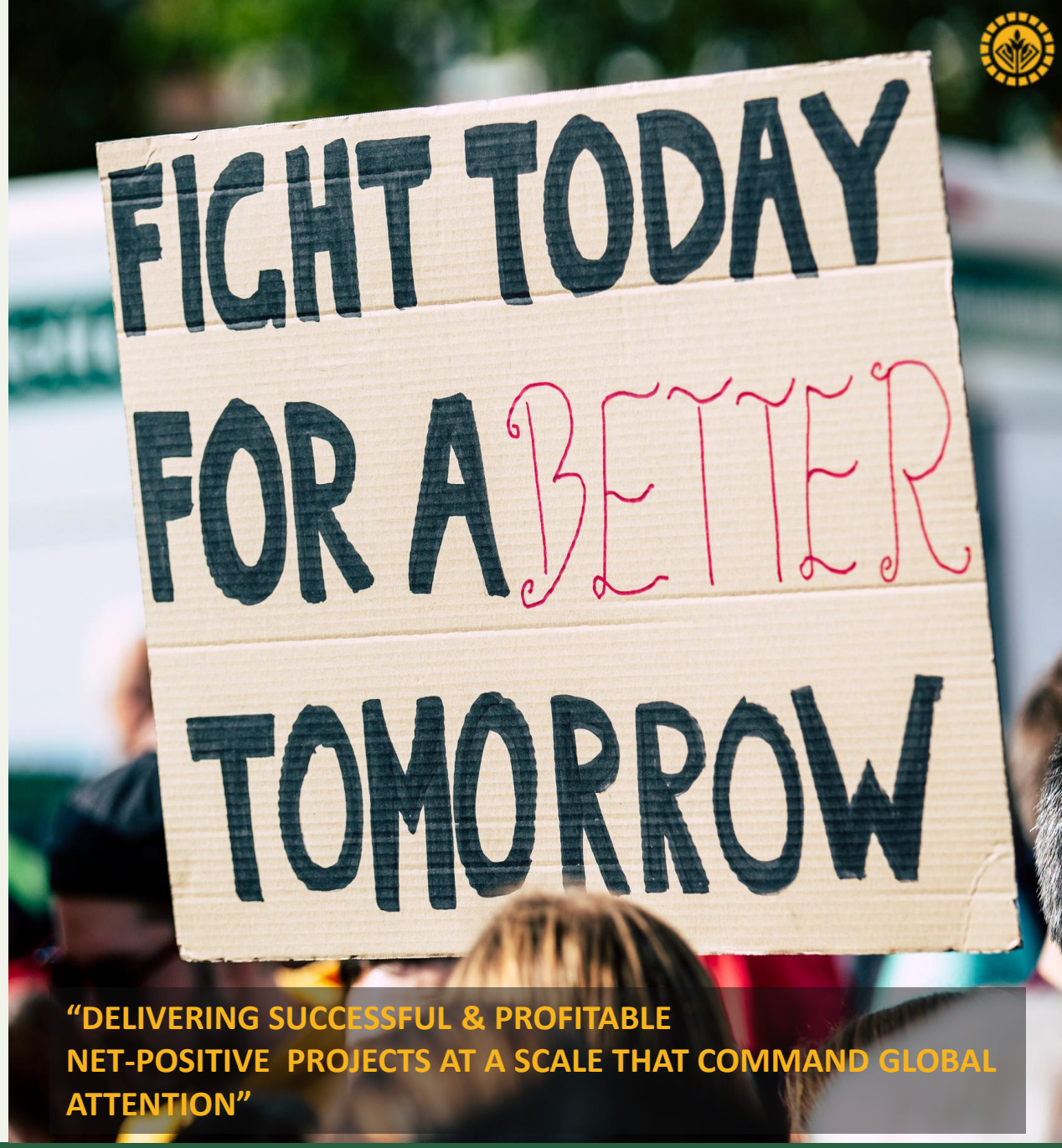
2.5m CARBON CREDITS

Our annual goal is to generate over 2.5 million high-integrity carbon credits through our scalable projects

20% PROFIT

We are committed to reinvesting 20% of profits directly into local charities, communities and education

1. Sources UN and also Calculated from "Impacts of alien plant invasions on water resources and yields from the Western Cape Water Supply System" https://www.watersa.net/article/view/7538



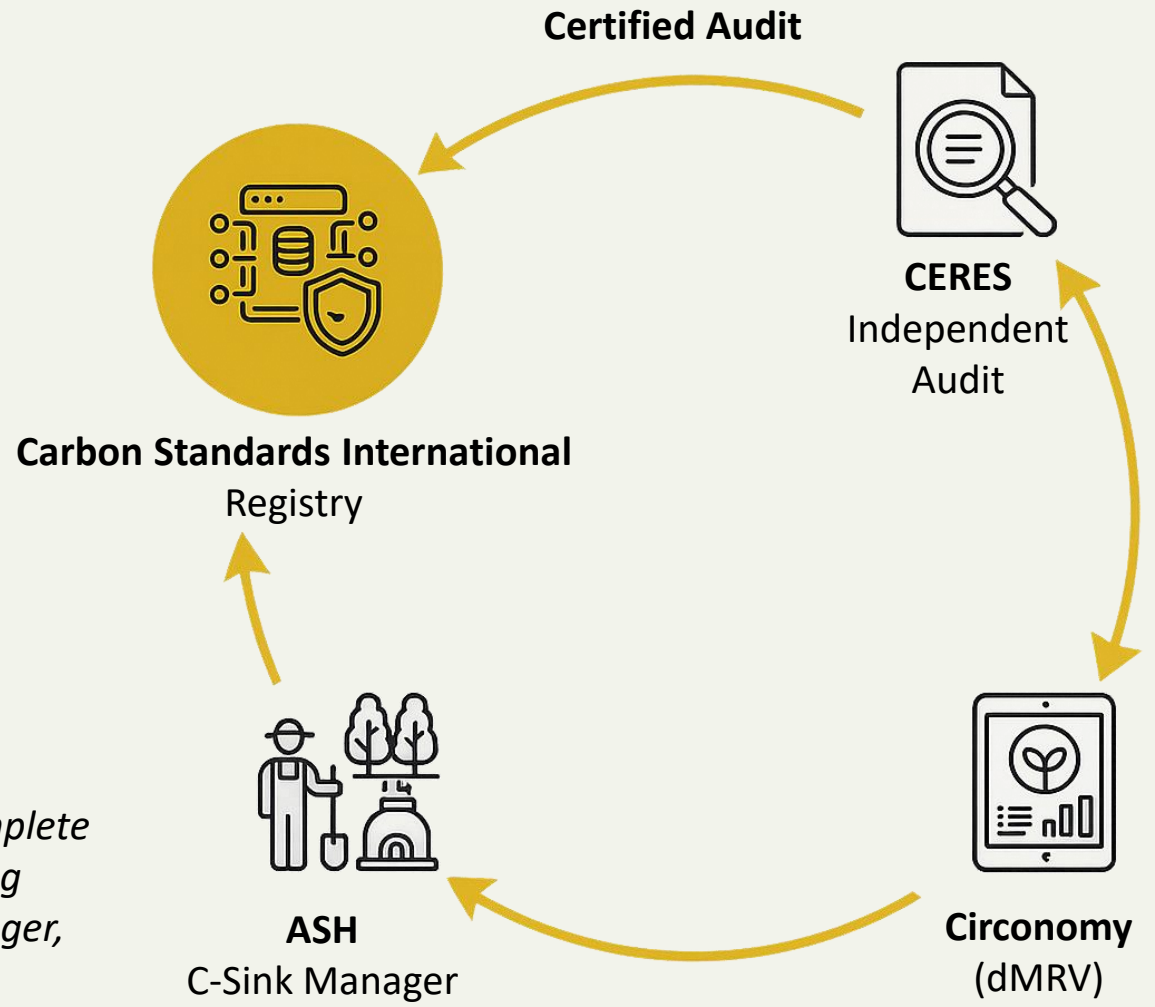
"DELIVERING SUCCESSFUL & PROFITABLE NET-POSITIVE PROJECTS AT A SCALE THAT COMMAND GLOBAL ATTENTION"

Uncompromising Integrity: Our Verification and Traceability Framework

Key Pillars of Integrity (Artisan Production)

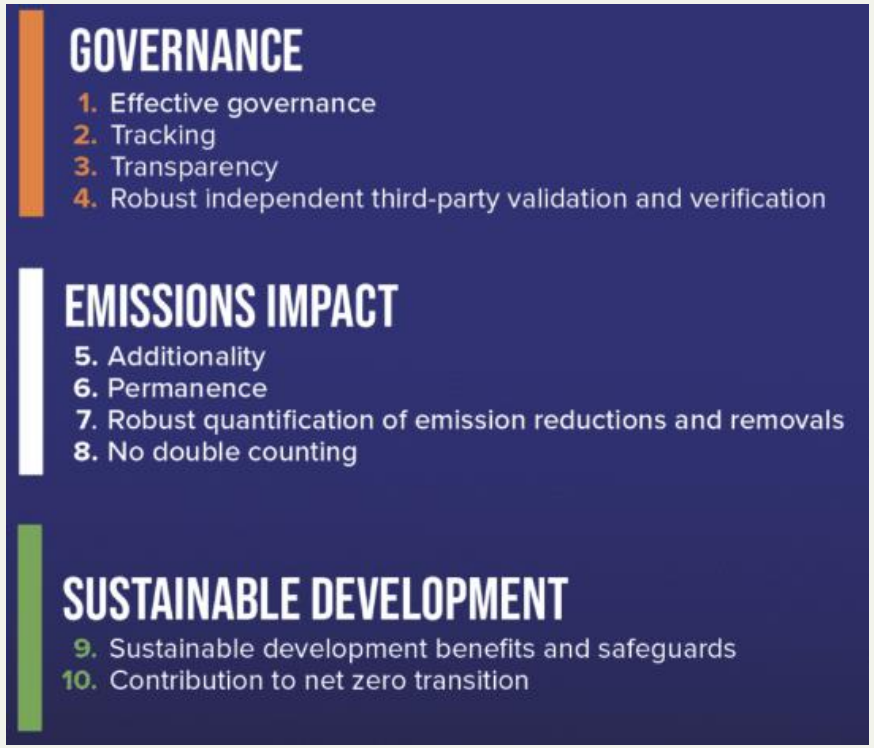
1. **Registry**: All credits are issued and tracked by Carbon Standards International (CSI),a leading registry for Biochar projects
2. **Methodology:** We adhere strictly to the Global Artisan C-Sink 2.1 methodology, ensuring conservative, science-based quantification
3. **Digital MRV**: Every stage, from biomass harvesting to biochar application, is tracked using the Ciroconomy dMRV tool, providing full traceability and preventing double-counting
4. **Independent Audit:** All project data and processes are subject to rigorous independent verification by accredited auditors like CERES

It is important to note that African Sun Holdings manages the complete end to end project cycle to ensure control, transparency, and strong governance. ASH acts as Project Developer, Financier, C Sink Manager, Harvester, Biochar Producer, and Community Liaison



Built on a Foundation of Global Best Practice: Adherence to Core Carbon Principles (CCPs)

INTEGRITY COUNCIL



ASH operates under the Integrity Council for the Voluntary Carbon Market (ICVCM) Core Carbon Principles (CCPs) to ensure every credit we generate is of the highest quality

- ✓ **Additionality & Permanence:** Projects are demonstrably additional and deliver long-term (1000 year) sequestration
- ✓ **Governance with Robust Quantification and Auditing:** Application of conservative, science led methodologies supported by transparent governance and independent auditing
- ✓ **Comprehensive Safeguards:** Embedding social and environmental safeguards, including prioritising Free, Prior and Informed Consent (FPIC) of local communities
- ✓ **Net-Zero Alignment:** Projects contribute meaningfully to the goals of the Paris Agreement

Our Projects Type and Project Spotlight

Types of Projects

Artisan

Our initial projects adopt an artisan, low technology approach with no automation, prioritising land regeneration while maximising rural employment. We focus on employing local communities, particularly empowering women as primary breadwinners. We utilise biochar to enhance local crop productivity, and equip kiln teams with practical financial management skills, giving them direct ownership and accountability for their operating budgets

Photographs from ongoing ASH operations in Prieska, Northern Cape, South Africa

Industrial Projects

Artisan production remains central to ASH. Alongside this, we will launch industrial scale biochar production this year to rapidly remove invasive species and drive measurable improvements in biodiversity and water table recovery

Special Projects

This year, ASH is launching a portfolio of rewilding and biodiversity restoration projects, with revenues reinvested to fund training and long-term conservation

Project Spotlight: Restoring the Upper Karoo in Prieska, South Africa

Project Overview

Located in the Upper Karoo, one of South Africa's driest and most isolated regions, the project covers 8,000 hectares, with the potential to expand across a further 30,000 hectares

Farming in the area is limited to sheep grazing and small-scale irrigation along the Orange River. Invasive vegetation is placing severe pressure on an already fragile water table, accelerating land degradation

Employment is largely seasonal and low paid, with high local unemployment, particularly among women. Alternative opportunities such as mining are limited and require skills not available in the region

We are creating long term permanent employment by harvesting invasive biomass and converting it into biochar, while restoring land and increasing the water table. Beyond harvesting, the post harvesting phase unlocks additional employment opportunities as the regenerated land is repurposed for productive and sustainable use, supporting a more resilient local economy

Impact Metrics

Phase 1 Permanent Direct Employment = 31 Full-time roles over 20 years

Phase 1 Indirect Employment = 242 Full-time roles

Annual Carbon Credits from Biochar = 5,000. Forward and Spot availability

* Based upon jobs (multiplier of 7.81 in agriculture) [World Food Program]

Carbon Credit Type: Carbon Removal
Carbon Durability: 1,000-year storage potential via biochar carbon removal*
Registry: Carbon Standards International
ASH Project Reference: ASHA-ZA-NC-PRIESKA
Project ID: GCSP1046 | **Link:** https://global-c-registry.org/project-view/1046 |
*(Indicative residence time under Carbon Standards International methodologies, assessed using conservative stability metrics rather than time-based guarantees)

Project Spotlight: Prime - Tackling Encroacher Bush at Scale in Namibia

Project Overview

Our project tackles the growing crisis of encroacher bush, which now covers more than 40 million hectares across Namibia, an area comparable in size to Sweden

Once open savannah has been overtaken by unchecked bush expansion, driven by the decline of natural grazers and placing increasing pressure on rangelands. Encroacher bush continues to spread at an estimated rate of 3 to 10 percent each year, threatening the long-term viability of these ecosystems. By focusing on artisan biochar production, we begin to slow and reverse this spread through the controlled harvesting of invasive biomass

The initiative creates long term sustainable employment by converting local biomass into biochar using accessible low technology methods that prioritise local jobs. Beyond harvesting, the post harvesting phase unlocks additional employment opportunities as regenerated land is repurposed for productive and sustainable use, strengthening resilience and long-term economic opportunity for local communities

Impact Metrics

Phase 1 Permanent Direct Employment = 85 Full-time roles over 20 years

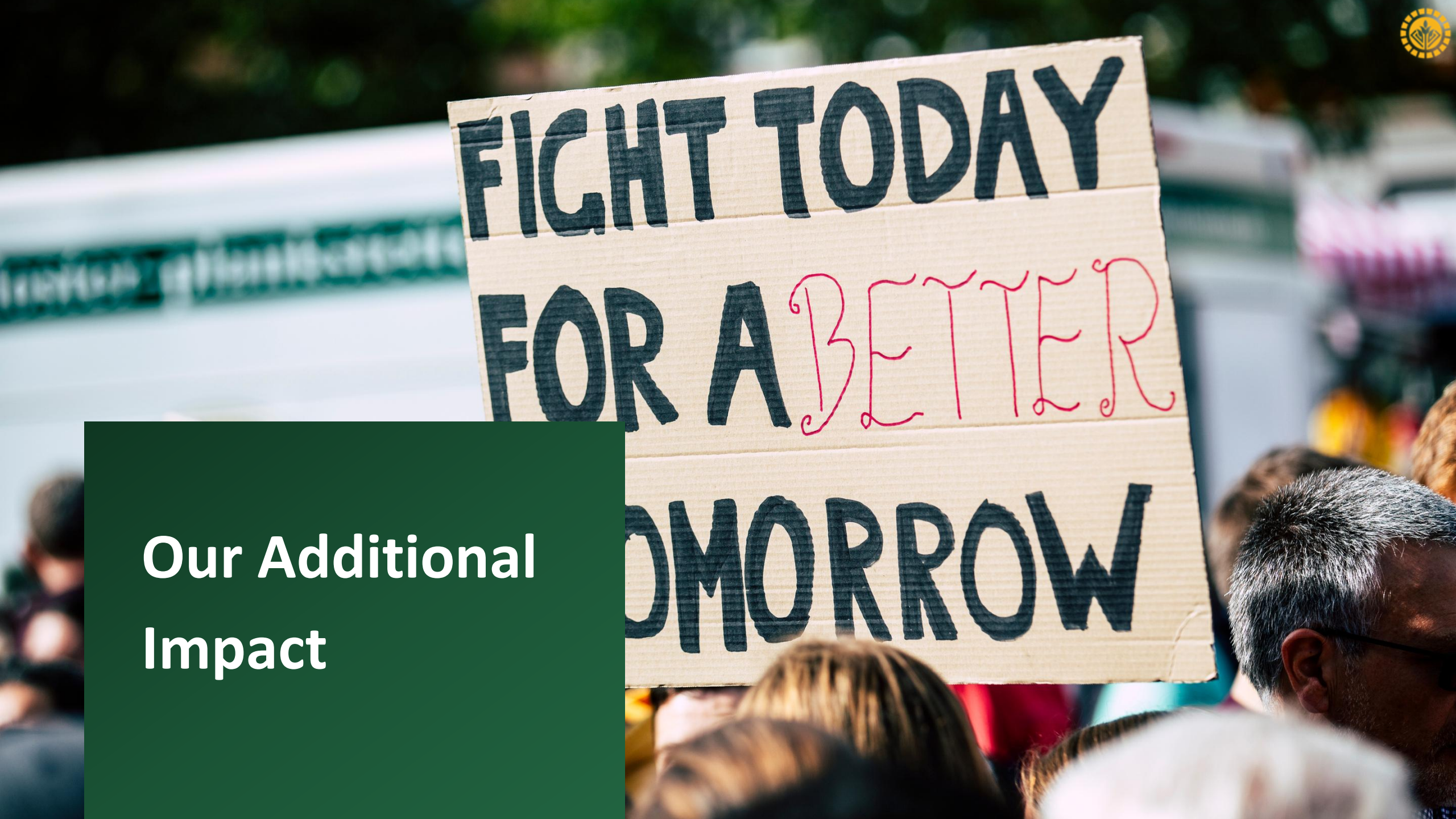
Phase 1 Indirect Employment = 663 Full-time roles

Annual Carbon Credits from Biochar = 12,500 Spot and Forward Availibilty

* Based upon jobs (multiplier of 7.81 in agriculture) [World Food Program]

Community Focus: The project includes a dedicated Tribal Community Programme to ensure benefits are shared equitably

Carbon Credit Type: Carbon Removal
Carbon Durability: 1,000-year storage potential via biochar carbon removal*
Registry: Carbon Standards International
ASH Project Reference: ASHA-NA-PRIME
Project ID: GCSP1147 | **Link:** https://global-c-registry.org/project-view/1147 |
*(Indicative residence time under Carbon Standards International methodologies, assessed using conservative stability metrics rather than time-based guarantees)



Our Additional Impact

ASH and Sustainable Development

Our business model at ASH contributes to 12 of the 17 United Nations Sustainable Development Goals 2030.

- ✓ Remove invasive alien plants biomass to provide source material for clean sustainable energy
- ✓ Partner with local government to stimulate the community-based economic growth and employment
- ✓ Support women's employment linked to invasive alien plants clearance and regenerative agriculture
- ✓ Improve access to diverse food crops and nutrition for local communities
- ✓ Restore land for regenerative agriculture, food security and increased water table for local communities
- ✓ Diversify income by exploring new markets for hemp and Biochar by-products, demonstrating the economic viability of sustainable practices
- ✓ Partner with local communities and respected entities to regenerate and re-wild cleared land, supporting indigenous biodiversity and local ecosystems
- ✓ Champion human rights with zero tolerance for child labour and exemplify fair labour practices

A Model for Shared Prosperity: Benefits for Communities and Nations

Benefits to Communities

- ✓ Energises local economies through employment and training
- ✓ Improves water security and restores ecosystems
- ✓ Improves crop yields using biochar as an innovative fertiliser through healthier decontaminated soil
- ✓ Enhances agricultural productivity using biochar as an innovative fertiliser that regenerates and detoxifies soil systems
- ✓ Broadens agricultural crop selection
- ✓ Upgrades sanitation infrastructure
- ✓ Drives health led social and economic uplift
- ✓ Increases property value through land enhancement

Benefits to Countries

- ✓ Creation of employment opportunities that improves the living standards and welfare of local workforces and broader population
- ✓ Improvement in climate resilience, reducing drought, flood and famine risk
- ✓ Enhanced infrastructure for trade and investment in the agriculture sector with export opportunities
- ✓ Improvement in tourism prospects
- ✓ Revenue share for local social responsibility programmes
- ✓ Increase in tax revenues and infrastructure investment

ASH Local Impact Donations
(in addition to the specific project related benefits)

We aim to fund the following areas from profit derived from our projects:

- ✓ Micro Finance for Women's Community Businesses
- ✓ Post-graduate research and higher education scholarships in climate technologies and sustainable natural resource value chains
- ✓ Financial literacy support for employees of ASH Service Providers that empower disadvantaged communities
- ✓ Stipends and provision of menstrual products to support children from rural areas in completing their education

Partner with Us to Restore an Ecosystem and Redefine an Economy

With millions of hectares ready for restoration, the opportunity for profound environmental and social change is immense. We are seeking carbon credit buyers to fund project delivery and offtake partners to secure long term demand for products from restored and regenerated land enabling organisations to secure premium carbon credits while positioning themselves as champions of the transition to a net zero nature positive future

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Join us in delivering successful, profitable, net-positive projects at scale that command global attention

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GLOBAL EXPERTISE | LOCAL INSIGHT

Headquarters: London, UK
Locations: Jamaica |Namibia | South Africa
Methodologies: Artisan Biochar Production via Carbon Standards International

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