

Green Eagle Sustainable Solutions

The Preservation Standard



Carbon Management Project



Business Overview



Product Review

Budget Overview





GESS INDUSTRIES BUSINESS OVERVIEW

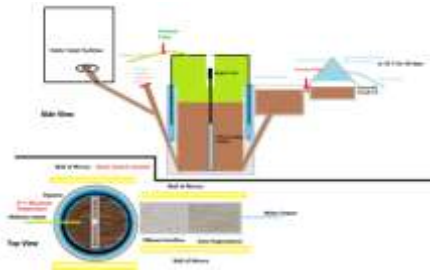
GREEN EAGLE SUSTAINABLE SOLUTIONS was created in July 2014 by Amber Adler of the United States. Ms. Adler created the company to introduce innovation in the forest dependent and rural development sector through conservation, nutrient cycling, and sustainable industrial development.

At GESS Industries, we value *the entire economic system* of revenue that makes our mission achievable and reward both the investor and the customer for positive performance. GESS Industries strives for a balanced mix of upward and downward accountability to meet the needs of all stakeholders.

GESS Industries is a national organization with plans for operations to expand to all regions of the country of Ghana and *internationally* with the introduction of the *"The Preservation Standard" (TPS) and "Carbon Management Project" (CMP)*. We aim to be both profitable and beneficial through sustainable industrial economy on a Global scale by innovation of products to meet the needs of tropical forest dependent communities worldwide.

The GESS Industries *community governance* structures require our employees to work closely with local participants offer the selection of desirable sustainable activities from a menu of company holdings.

Taking our example from the Sofala Community Carbon Project, GESS Industries understands the importance of weaning local subsistence farming communities away from traditional "slash and burn," and *shifting agriculture toward new techniques* with result in improved living standards to achieve our carbon management goals of reducing deforestation and land degradation. The LCIP Fund offers adult and childhood *educational scholarships,* food production through the Non-Profit *I*ntensified *A*griculture *P*rogram (*IAP-sustainable farming*), and elderly care. The *biogas* division offers public and private *sanitation* facilities to increase *public health, provide sustainable energy, and nutrient cycling activities*.





OUR MISSION

Our mission is to provide sustainable energy solutions by developing renewable energy systems using locally resourced materials; and renewable, economically and environmentally positive technologies.

OUR GOALS

Our goals are to provide long term carbon management and local economic stability in project areas; and to develop forest replacement energy products and long term employment in sustainable industries using waste and carbon revenue.

OUR VISION

The success of our goals aims to transform the economic system using bio-diversity conservation; long-term carbon production; and sustainable economic development for indigenous peoples and local communities.

PRODUCT REVIEW

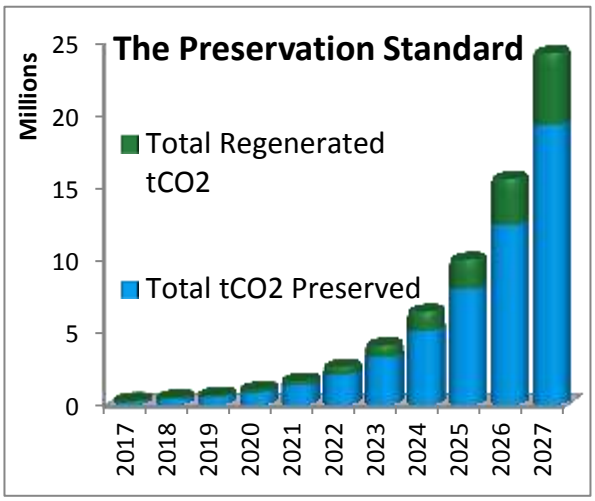
THE PRESERVATION STANDARD

When a Carbon Project Developer looks at potential land area to include in their Carbon Project, the developer must consider the exclusion of the baseline. The baseline is the calculation of the existing carbon sink in the project area plus the natural regeneration rate.



THE PROBLEM

While carbon projects are very useful for the production of non-existing offsets, they have proven very limited in their ability to protect and preserve the existing carbon sink. This is evident in the consistent rate of deforestation of numbers a little less than emissions from fossil fuels: about 9-10% yearly worldwide. These numbers are significantly more when factoring in forest definitions and methodology for calculating existing carbon sinks worldwide.



THE SOLUTION

The GESS Industries solution for preserving the existing carbon sinks and reducing the deforestation rate to zero is to introduce a new carbon offsets crediting system that specifically targets the baseline carbon sink and the natural regeneration rates as carbon offsets.

The Preservation Standard is a carbon crediting system that calculates the project baseline and offers the carbon for sale for a one time purchase for the purpose of preventing emissions and destruction of existing forest areas. TPS also issues carbon offsets for the natural regeneration rates produced by the baseline project areas for subsequent years.

With the addition of TPS credits, project creators are encouraged to include all forested land on the planet within project areas for the formation of projects under TPS guidelines. TPS certification has a per credit ton issuance fee that is minor compared to the economic interest in first world populations' expectation of forest preservation.

The solution will ensure Carbon Project Developers have the option of offering large economic leverage to stakeholders in exchange for their protection of existing carbon sinks. The benefits of placing economic value on existing carbon sinks include:

- compensation for preservation;
- increasing forest value;
- creating competitive markets to curb deforestation;
- income for sustainable industries;
- raising rural communities out of poverty;
- preserving carbon sinks from other economic forces;
- offering company offsets for increased preservation efforts; and
- increasing total land area of carbon revenue for the purpose of carbon and biodiversity preservation efforts.



CARBON MANAGEMENT PROJECT

Carbon management is in its infancy as a tool for implementing mitigation efforts to reduce GHG and global warming. GESS Industries offers a comprehensive Carbon Management Project plan to foster a sustainable rural economy.

THE PROBLEM

As carbon development projects are implemented, there are few regulating standards to ensure evolving and continued sustainable development efforts. Many carbon revenue projects include large tree plantations, or agricultural schemes that may or may not include forest preservation and restoration efforts.

THE SOLUTION

The GESS Industries Carbon Management Project creates a set of standards to include activities to develop forest communities' energy independence, education, and health.

CMP POLICIES. The base CMP includes internationally recognized SFM, land degradation reversal, health and safety, labor unions, and integrated carbon accounting practices to include the possibility of multiple verifications and issuance of all project areas.

THE NEW INDUSTRY SCHOOL. Project activities and new technologies may be unfamiliar to project residents. The NIS offers educational services that provide the tools and training for project and economic success of creating a sustainable forest dependent community. Website

SOLAR ENERGY COOPERATIVES. In addition to direct revenue to landowners, The Green Eagle Solar Electric Company offers land owners a cooperative business venture for the benefit exchange of enrolling their land in the project area. Company shares are issued according to local cooperative share values at a yearly rate of investment with a set capital reinvestment and paid dividends rate.

ECOTOURISM. The Ecotourism division creates a project mapping plan for ecotourism activities and ensures adequate funding is delegated to suitable activities to ensure industry success in the given plan.

NGO: INTENSIFIED AGRICULTURE, NTFPS, BIOHARVESTING, BIOGAS, SCHOLARSHIPS. Many activities are necessary for the success of project activities that do not generate profit, but generate benefit sharing essential to project success. These activities operate within the GESS NGO for the purpose of social, educational, and waste management activities that benefit local community members directly.

BUDGET OVERVIEW

TPS BUDGET

Over the next two years, the TPS expectations of growth for the company are expected to be equal to the excluded baseline of existing worldwide voluntary carbon projects, plus the second year growth of natural regeneration rates of project areas worldwide.(enrollment objections excluded)

The TPS requires a startup panel budget for an international conference of forest panelists and a yearly administration project budget for credit verification, issuance and compliance.

The startup budget is dependent upon council participation but is expected to host 50 conservationists, environmentalists, project designers, and jurisdictional experts. The panel expenses including transportation and hotel fees for panel participants is expected to be $100,00 USD. The yearly project expense for administration costs for TPS are expected to be $200,000.00 USD

- Startup Panel Expenses: $100,000
- Administration expenses: $120,000
- Travel expenses: $30,000
- Legal Fees: $20,000
- Marketing: $30,000

With TPS fees collected at $0.30 USD per ton of GHG at offset issuance, expected revenue shortages are not expected below enrollment of 200,000 acres worldwide for the first year.

CMP BUDGET

With the addition of CMP guidelines, projects' accreditation includes economic results that are verified through sustainable development measurements and economic growth of rural communities with the benefit of preservation of existing carbon sinks. The CMP Budget includes a menu of activities that balances land owner compensation with stakeholder engagement to ensure project success:

	1-5 Years	5-10 Years	10-15 Years	15-20 years
Landowner Direct Compensation	22%	19%	21%	21%
Carbon Management Activities	27%	23%	23%	23%
Scholarships, Meals, Elderly Care	14%	9%	9%	9%
Solar Energy Investments	4%	6%	7%	7%
Biogas and Sanitation	3%	5%	5%	5%
IAP	20%	22%	19%	19%
Education	1%	1%	1%	1%
Ecotourism	0%	5%	5%	5%
Developer Fees[1]	10%	10%	10%	10%
Project Land Area Increase	460%	485%	691%	129%
Total Hectares Project Area	167,830	813,190	5,622,132	7,260,253
% Goal Pristine Project Area	83%	83%	83%	83%
% Goal IAP Project Area	15%	15%	15%	15%
End of Period Yearly Project Revenue Projections	$ 6,455,231	$ 59,236,245	$ 586,446,255	$ 6,149,334,687
Total Mitigation tCO_2	6,934,696	67,297,052	636,542,069	6,497,789,719

FOR MORE INFORMATION ABOUT GESS INDUSTRIES MENU OF INVESTMENT OPPORTUNITIES,
PLEASE CALL:
+233553800473 OR EMAIL ARTBERMISS@GMAIL.COM

[1] *Maximum Permissible Fee