

**Self sustainable way of living and
farming.**

**Limpopo Community Co-operation
with**

African Green Developments(Pty)Ltd

Our Dream go in to the life

Presentation Information Objectives:

Young Leaders Programme

- Out line key Aspects
 - Key Technologies
- Operational Symbiosis
 - Operations MES
 - Persons

Community, Company, Co-Operation. “CCC”

- AGD – Community.
- AGD – technology, knowhow, equipment, tutors and professionals'.
- Marketing and Sales in local and international market
- Royal House of the Chiefs – local management and Public presentation
- Rural Community , Chiefs - local management and Public presentation, labor and control for production
- South Africa – Limpopo – Seeding point

Regions – Any where in South Africa

- Municipality property– Locations form embodiment
- Rural
- Semi Rural
- Non Populated
- Fertile
- Arid
- Urban
- South Africa – Limpopo – Seeding point

Young Leaders Programme

- – The Young Leaders Programme is a pioneering executive training programme designed by the African Green Developments(Pty)Ltd. with OpenSono/LinkSono to address the needs in leadership training, that have come about with the rapid changes of globalisation, by open New Agricultural Technology's College
- – The YLP uses leadership development and learning to focus on development projects, professionalise good causes and is designed to influence a fundamental shift in the understanding of business, and its impacts.
- – Module 1 introduces the participants to specific issues - often not adequately addressed in management training courses and handbooks, to be effective in our global community.
- – Module 2 engages participants in a life-changing field project and challenges them to bring their new
- -found understanding of issues with their own business acumen to developing a community based business opportunity.

Key to Success Primary Factors

- Scope – Commence organic pork, beef, goats, sheep and game certification process, supplement renewable energy generation capacity and crop production, reduce greenhouse gas emissions, transform negative environmental impacts caused by waste, and provide community benefits
- – Lease 2,500 ha agricultural land and 500 ha non arable (Total of 3,000 ha. minimum, being used currently – 2,500 for crops feedstock and 500 ha. for animals feedlots and feedstock production and breeding stations) per one branch. For start we offer 10 Branches. 2500 cow, 5000 sheep's, 5000 goats for start, for each Branch.
- – Employ 1000 regular staff & 10 technical staff ,5 veterinarian and 20 managers.
- – Install biogas plant, gas turbine generators and distribution infrastructure (extra Jobs)
- – Install animals processing Plant (Abattoir and meat processing plant, Freezers/Fridge facility - extra Jobs).

Key to Success Primary Factors

- Organise Energy Production
 - – Generate more than 10,000,000 kWh additional renewable energy and set up grid,
 - transmission and distribution network.
- Bio-Fertiliser production / surplus
 - – Produce 90,000 tonnes of bio-fertiliser as a by-product of biogas plant
- Crop Production
 - – Produce corn and wheat, sunflower, herbs and medical herbs.
 - -- Produce avocado and nuts and other fruits
 - -- Produce new types of fast growing feedstock

Key to Success Primary Factors

- Scope
 - – Achieve organic certification for animals and vegetables and expand animal husbandry operations
 - – Enhance renewable energy generation and crop production capacities
 - – Reduce greenhouse gas emissions
 - – Create a platform for business growth and diversity
 - – Capture benefits for community.
 - -- Educate community

Problem and Key to Success Primary Factors

- Low agricultural incomes
 - For subsistence, rural households in these villages rely on growing staple crops such as corn and wheat and raising livestock. They also sell these products. Their income is low and operating costs significant .
 - To earn extra income some households grow higher-value crops such as watermelons, chillies and tomatoes. Low agricultural incomes have led young farmers to migrate to urban areas to seek work, leaving the old or the very young in the villages.
- Farmers lack market information
 - Since farmers in Limpopo, have been producing and marketing crops and livestock at the household level. While agricultural productivity not helped reduce poverty, farmers operating as individual household production units have had difficulty accessing timely market information to make buying and selling decisions as well as being able to achieve economies of scale.

Key to Success Primary Factors

- In Limpopo, we offer this model manifests itself through an animal husbandry supply chain involving the Limpopo Agribusiness Enterprises, the Animal Husbandry Farmers' Association and individual farmers.
- – What makes the Limpopo situation particularly interesting is that the Enterprise has been marketing no-chemical-use products nationwide by using a biogas and organic fertilisers and pesticides.
- -Driven production facility.
- – Significant potential exists to go one step further and upgrade the supply chain to produce organic products, which will be targeted at premium markets shaped by heightened consumer awareness about food safety issues. The benefits will trickle through to the surrounding small farms as they become part of the rural supply chain

Objectives

- – The objective of the AGD is for Young Leaders to work with the Enterprises, NGOs and local government agencies to develop a sustainable organic product supply chain business.
- • Identify the factors – including social and environmental - which will promote or hinder the Enterprise's efforts to upgrade its existing business activities to a sustainable organic pork business;
- • Determine viable ways of organising farmers into a production and marketing collective which would ensure consistently high quality products delivered in a timely manner to buyers;
- • Study the trickle down benefits to the surrounding farmers through investment in the Enterprise;
- • Research the market for organic products in Gauteng; and
- • Investigate the potential for carbon credits to be generated from the biogas operation as a source of revenue.

Key to Success Primary Factors

- – The Enterprise wishes to support fellow farmers by supplying them less costly renewable energy generated from its biogas chambers and by including them in a value-added supply chain to help them increase their incomes.
- Currently planning a four biogas chambers of varying sizes process 100% of animals waste generated on-sites. This produces enough energy to supply the Enterprise at its current scale.
- Bio-feed and Bio-fertiliser – The Enterprise also produces bio-fertiliser, bio-feed and compressed feedstuff which is be sold to farms within Limpopo and beyond .
- – Currently, crops are not grown as certified organic. This provides a sound basis to upgrade to organic production.
- – Burgeoning market demand and price premiums for high-quality organic meat and organic products in Limpopo and beyond , presents excellent opportunities for the our Enterprise and for other farmers.

Key to Success Primary Factors

- Enterprise - Farmer Relationships
 - Besides its own production, the Enterprise works extensively with farmers within and beyond the Limpopo.
 - Providing technical support to them; • Selling them breeder pigs, piglets and other animals, feed; and buying back market size animals raised by farmers.
 - The relationship is mutually beneficial – the Enterprise helps farmers improve product quality and develop new markets. Farmers as customers buy the Enterprise 's offspring's and feed. Farmers as animals suppliers enables the Enterprise's meat supply to expand much larger than what it is capable of producing by itself.
 - The Enterprise's expansion benefits those farmers and also hinges upon their participation. It needs them to buy into a stringent system of quality compliance and consistent production.

Key to Success Primary Factors

- Target Markets
 - – Local (supermarkets, hotels / restaurants, B&B, Game lodges, foreign enterprise and international schools, and direct delivery to consumers).
 - – National markets- upmarket, supermarket / organic food chain outlets in Johannesburg/Durban/Pretoria (via strategic partners).
 - – International organic markets (via strategic partners).
- Branding – “Green Power Worldwide”™
 - – Environmental and sustainability of organic farming addresses water and soil pollution hazards by ensuring that no chemicals are used in the process, positioned as premium certified organic
 - – Socio-economic empowerment of poor rural farming communities.
 - – Local waste used as raw materials to generate renewable energy which costs less than coal shipped from the outside reducing greenhouse gas emissions.

Key to Success Primary Factors

- Core Plan Overview
- A. Vision and Goals
- B. Project Background
- C. Business Model
- D. Marketing and Sales
- E. Organisation and Governance
- F. Policy and Regulatory Issues
- G. Risk Management
- H. Financial Information
- I. Action Plan
- J. Conclusion

Key to Success Primary Factors

- A other unique approach is followed by AGD, a Cooperation farms and other farmers, that be started an out growers' scheme to motivate Co-op farmers and others to cultivate Bamboo and to
- (1). use bamboo in the local construction industry.
- (2). to sell bamboo sale to the national construction industry
- (3). use it as charcoal thus preventing the destruction of indigenous forests and to mitigate against the effects of upland deforestation that has encouraged erosion.
- (4). create a local Bamboo handcraft Industry
- While these have been the primary motives for Green Trading to enter into this business, the company is currently looking at new approaches and possibilities to develop bamboo industry.
- The company wants to encourage local farmers to get more aware of the profitability of such a crop and invest in it. The management of the company feels the urge to strengthen the local capacity building of farmers and to build up local processing facilities (possibly as part of a Co-op Partnership initiative).

Point of Target Criteria

- Strategic targets
- The strategic target of the marketing related activities stem from the project's overall goal which is “to expand the sustainable, viable market based production, trade and consumption of South African bamboo products targeting employment and income generation for poverty alleviation.” And “increased contribution of bamboo industries to national economies, as well as increased national and international investments in bamboo processing industries” is given as an indicator for the achievement of this goal.
- This outlines the strategic target of the project's activities in Limpopo with respect to “bamboo marketing”.

Point of Personal Criteria

- The following basic needs that require the most urgent attention are identified by the AGD Challenge:
 - High unemployment and very low income.
 - Low quality housing and other infrastructures.
 - Poor water quality.
 - Poor sanitation infrastructures and lack of health services.
 - Unreliable power supply.
 - Lack of transportation .
- Information, communication and technology (ICT))for educational activities.
- Waste management issues.

Point of Person Criteria

- Above normal livelihood realization –
- Off the grid - autonomy
- Gross profit elimination – Singularity alleviation
- Wealth distribution on contribution basis
- Achieve human potential
- 2nd Economy abundances
- 1st World attainability's
- Individual development potential
- Homogeneous support structures
- Centralization alleviation
- Quality of lively Experience
- Balanced internal (soul values) & external social products

Production of Goods

- Strategic Energy needs – of grid autonomy
- Circlelink feedstock tropic level symbiosis – feed your food – dependent free production hubs
- Infrastructure composites base products
- Finished products – natural non toxic eco correct on sites
- Production process point of person gains vs. commercialized profit considerations
- Sustainable & Renewable
- Earth Friendly
- Green / Eco remediation
- Millennium Project Goals

Waste to Energy

- Water remediation principles
- No Waste
- Green Energy – Hydrogen based hybrid species (Plasma)
- Efficient industrial Pyrolysis is a process to treat the rubber and industrial plastic wastage as well as agricultural waste.
- Oxygen rich green fuels – foremost
- Methane rich green fuels – foremost
- Algae – nutrient and human effect controller
- Multiple product production
- Off the grid sustainability
- Symbiotic structures

Pyrolysis machine for Agriculture and industrial waste and energy generation

- Mini Pyrolysis system is used to make fuel, carbon black and combustible gas.
- Semi-automatic type. This type will produce oil batch by batch. It needs people to feed waste and lead out ash (carbon black) and steel wire per batch. It could also burn the gas from waste. This type suit the country where the labor cost is low.
- Usually each ton waste will produce fuel, carbon black and balance is combustibility gas. You can use the fuel or sell to other farms.

Green Power Worldwide.

- Collective operational product services & supplies sector structure – handlers
- Guarantees equal and fair wealth distribution
- Set % of turnover operations costs
- Set % profit-
- Regulators wealth distribution
- Asset Portfolio handerling
- Safety and Security
- Health & Welfare
- Social support structures
- Remediation and arbitrations

Financials

- Pyramid structure abolishment
- Deserving benefactors gains for services and products
- Share of greater profit – and annuity gains – carbon sequestration credits
- Real time automated reimbursements
- CPVU- value based exchange unit – real products
- Social benefits – Grants – Holdings Capital gains and maturities
- Interface exchange – Fractional Money Mechanics “Banks” and Bitcoins system
- African Exchange holdings - relations / generations
- Participants are the holders

Stats – real time MES

- Immediate remunerations for services and goods
- Production quantification & quality controls
- Surplus Quantification – futures stocks
- Time – Space – Energy quantification
- Centralized HQ – Controls
- Continues real time safety monitoring mechanisms
- Flexibility and Response abilities on actual data
- Share of grater Profit – long term annuities
- Social grants and benefits effective controls and regulations
- Transparency
- Governance

Hydroponic

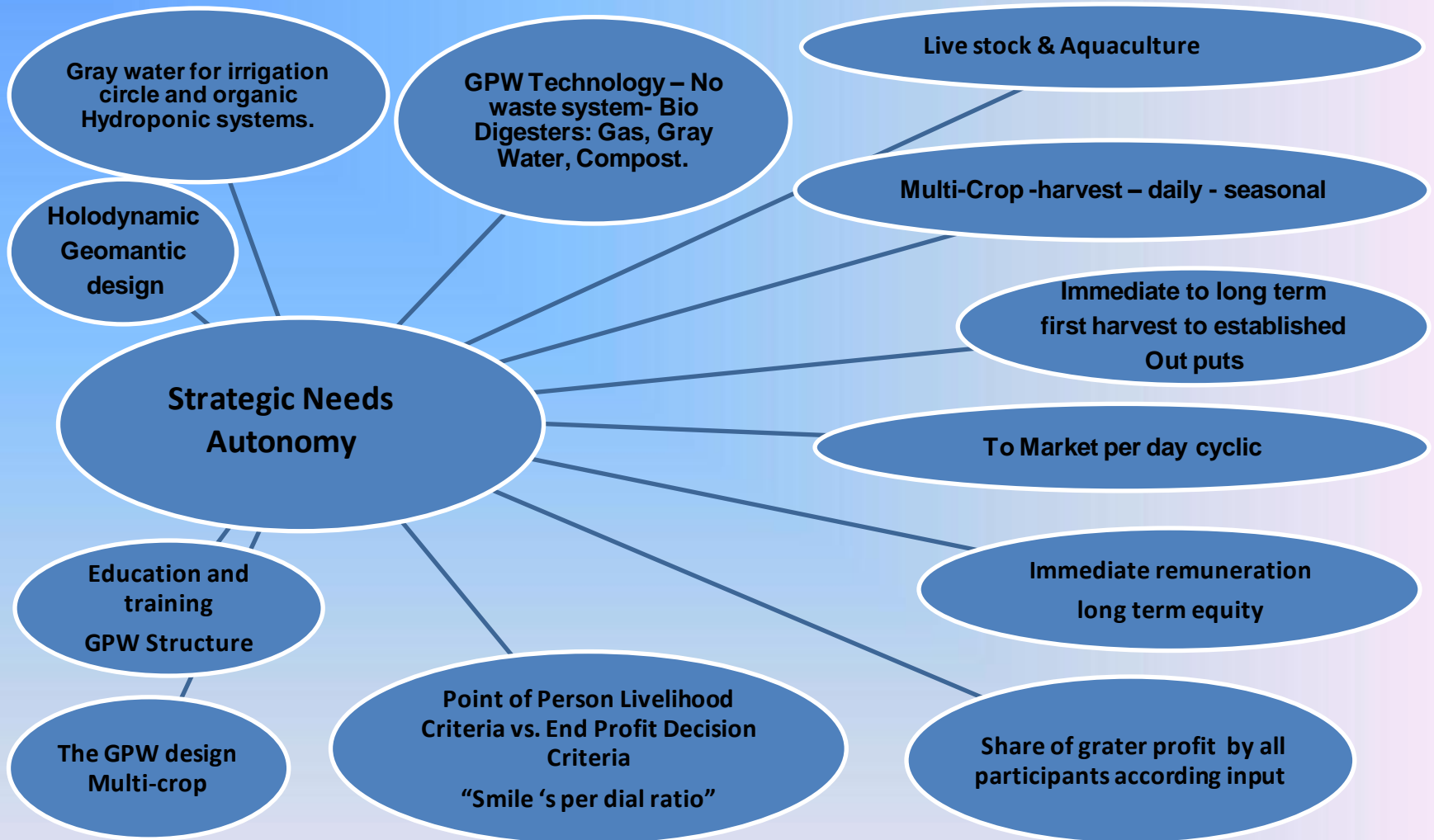
- 35 to 40 % of demarcated participant sector
- Ground flow bio-filter irrigation
- High organic composite growing medium
- Location specific lay out design
- Flora applicable to regional climate automation formulation
- Area will initiates remediation of the remaining land – Land remediation
- Green house mini tunnel units deployed as required by location needs and climate

Share of Greater profit

- Long term annuities
- Free choice structures
- Welfare and participant beneficiary support structures
- Free and Fair policies
- Investments into Seeding structures

Sectors

- First African Holdings – Barter Trading Exchange
- Participants – Stakeholders of “CCC”
(Community/Company/Cooperation)
- Strategic Energies
- Food
- Infrastructural Products
- Tertiary Products
- Ordinance Body



Abundance Living Principal Node Autonomy

-Key Components -

Cell Node – Autonomy

- Each part of the whole knows the sum of the whole
- Each cell node is a autonomous abundant life supporting system
- Secured unparallel technologies globally
- Into balance “healthy cells healthy body”
- To market daily cyclic
- Each cell capable of birthing capabilities
- Replicating system format
- Products and produce not absorbed by cell then placed on open market
- Technology fusion over sight balancing

Cell Node Activities & Processes

- Livestock Systems
- Waste collection
- Bio Digesters system
- Hydroponic System
- Gas collection systems and Power production
- Algae feedstock / feed cake/ pbr's (photo bio reactors)
- Aquaculture
- Bee Farming for honey, propolis, Beeswax and pollination
- Snail Farming
- Crocodile Farming
- Cobra Farming
- Earth Worm / Slash composting/Maggots
- Solar systems
 - Water heating
 - Photovoltaic PV panels & inverters
 - Solar heating & Air Conditioning

Services – Primary and Tertiary

- Infrastructure – Civic Requirements
- Security
- Mobility
- Communications
- Education Sectors – Full Spectrum
- Community Services
- Human Well-Being Structures
- Health Care Centre's
- Social Support
- Response Structures

Back to Back Fail Safe Mechanisms

- Symbiotic Interactivities – Innate process alliances
- Holodynamic Balancing
- Real Time Monitoring Alert & Response
- Financial Fluidity
- Continuous product production value holdings
- Guaranteed production out put
- Internal sector requirements compliance
- Excess for open market absorption
- Management Company
- Into Balance response systems
- Over sight support structures
- Corporate Governance

Conclusions

- This document outlines a business plan for the Limpopo Agri-Cooperation business ,Enterprise with the following objectives:
- To create an environmentally and commercially sustainable electricity generation facility powered by methane combustion originating from the treatment of animal and agri waste. The electricity will be sold to the farmers.
- Using the bio-feed, they and Enterprise are then able to raise animals which are chemical free.
- The cash crops, feed crops, and animals, together with the production premises will then be in a position to upgrade from the “Normal” standards to “Green Food” and ultimately to Certified Organic Standards, addressing market needs and capturing higher revenues.
- Increasing family incomes from value-added husbandry farming and protecting social nets by reducing the need for migration to cities for work.

Conclusions

- Implementation of the these initiatives will have the following
- concomitant impacts on the lives of farmers and on the Enterprise:
 - – Improved health and sanitary conditions in Limpopo;
 - – Lowered risk of diseases and infections;
 - – Reduced environmental contamination;
 - – Improved production standards and quality;
 - – Improved income and additional employment opportunities;
 - – Opportunities for farmers to participate in a closed-loop bio-production cycle
- to capture market premiums; and
- – Farmers who currently have to leave their families to earn cash in cities will have a strong incentive to relocate back home to a prosperous and environmentally sustainable countryside.

African **GREEN** **Developments** (Pty) Ltd.

Exclusive Agent in Africa for Green Power Worldwide™

Reg. No.: 2006/027945/07, VAT- 9166387168. P.O.Box
2220. Bromhof 2154.

Shield House, Hawken Av. Bromhof, Randburg,
2195, Gauteng, South Africa. Tell: 27 11 2387809,

Fax: 0865860886, Cell: 27 82 2647781 *

leon@gp-worldwide.com, Skype: badajozinv *

www.greenpower-worldwide.com,