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INSPIRING TRUST.

PrimeVeg GHANA Project (PVG)

Ghana, Western Region
2026

Market Opportunity

- Ghana faces a structural vegetable supply gap driven by fragmented smallholder production
- Tomato demand estimated ~800K MT/year with continued import dependence
- Premium year-round vegetable supply remains limited
- Chili exports create access to Europe and Middle East markets
- PVG opportunity: build an integrated production, processing and export platform

PVG Solution

From Traditional Farming → Integrated Agribusiness Platform

- Scale proven pilot operations into a 100+ acre agribusiness hub
- Controlled farming improves quality, reliability and yields
- Processing increases margins and export potential
- Outgrower network enables asset-light expansion

Project purpose and aim

- Establish a **high-margin, vertically integrated agribusiness hub** starting with a **100+ acre farm** focused on high-value vegetables in Ghana's Western Region
- Become Ghana's leading branded platform for **vegetable production, processing, and exports**
- Operate two core business lines: **tomatoes for the local market and chili production & processing for export**
- Develop a regional sourcing network by scaling farming operations through an **outgrower model**
- Build a strong brand focused on **premium-quality vegetable products**
- Create well-paid local jobs and launch a charitable initiative supporting **children's education through profit contributions**

- **TOTAL INVESTMENT - $4.7mil**

PVG Founders

Dr. Liudmila Sheremeteva

- Over **25 years of experience** leading a UK-based international business management consultancy, working with clients across the UK, Europe, Central Asia, and the Middle East
- Founded and managed a **pilot vegetable farm in Sekondi, Western Region of Ghana (April 2025)**
- Achieved **positive cash flow within 4 months and breakeven in 7 months**
- Holds a **PhD in Chemical Engineering (Ukraine)** and **MBA in Finance (UK)**

Asefuah Samuel

- Experienced agronomist, agricultural expert, and successful commercial farmer with an accounting background
- Awarded **"Best Vegetable Farmer of Western Region" (2020)**
- Operates a profitable **8-acre vegetable farm** and has strong partnerships with international seed and agrichemical suppliers
- Conducts vegetable trials, introduces innovative farming techniques, and provides training to local farmers

PVG Business Model

Agriculture + Processing + Infrastructure + Technology + ESG

Controlled Environment Precision Farming

- Net house farming systems
- Drip irrigation technology
- Data-driven digital farm monitoring
- Product traceability systems
- Partially powered by solar energy

Integrated Supply Chain

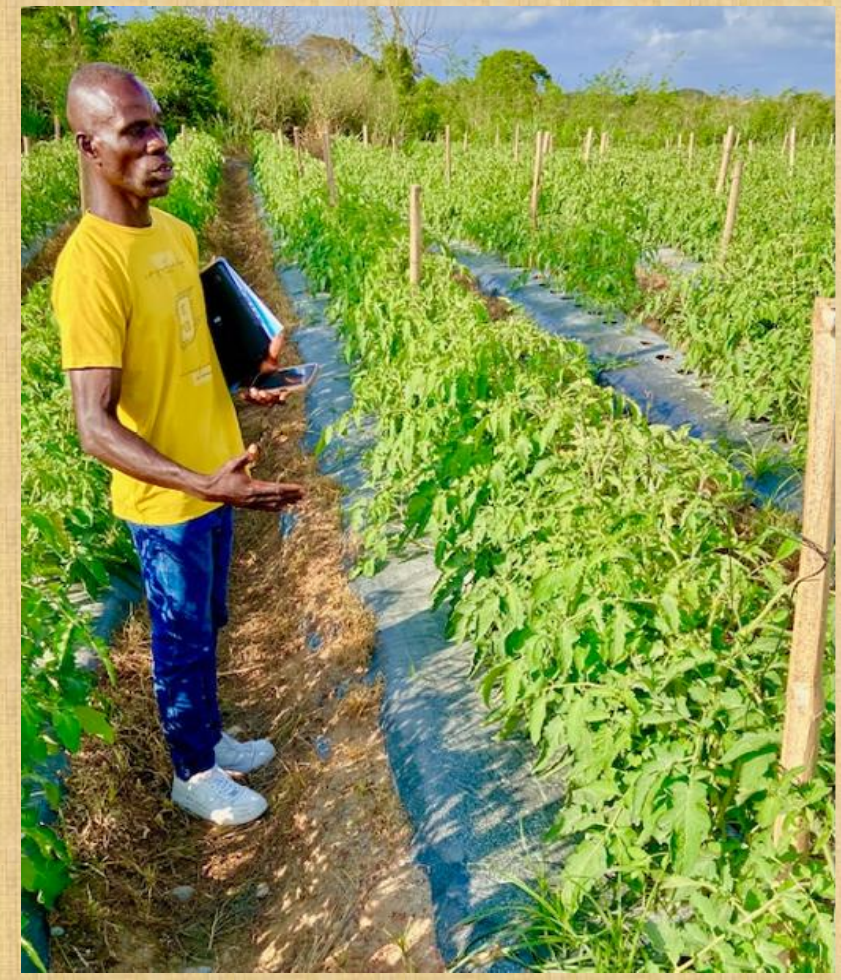
- Production, processing, and export managed under one platform
- Centralized quality control and management
- Reliable supply and fulfillment capability

Scalable Farmer Network

- Asset-light expansion through an outgrower model
- Inclusive rural income generation
- Rapid production scaling without owning all farmland

Export Model – Based on Proven Indian Chili Export Practices

- Compliance-focused operating model
- Food safety and certification systems established from inception
- PVG will adapt successful operational practices used by leading Indian farming estates and chili exporters



Why Ghana? Why now?

- **Ghana is one of Africa's most politically stable investment destinations**, with improving sovereign ratings and stronger macroeconomic stability
- **Strategic location** — access to ECOWAS markets and competitive shipping times to Europe & the Middle East
- **Favourable growing conditions** — year-round production with multiple harvests annually
- **Low-cost agricultural workforce**
- **Ghana is** an emerging **vegetable export hub**
- Agribusiness aligns with government priorities: **food security, import substitution, rural employment & export growth**

Why tomatoes and chilies? Why in Western Region?

- Ghana faces a structural tomato deficit: **368K–510K MT production vs. ~800K MT demand**
- Imports **75K–100K MT of fresh tomatoes and 78K–100K MT of tomato paste annually**, worth **US$400M+**
- Tomatoes are Ghana's most consumed vegetable, accounting for **up to 40% of household vegetable spending**
- Chili is a high-value export crop with strong international demand, long harvesting cycles and significant upside from processing.
- Western Region's climate is challenging for vegetable farming, driving higher prices than Accra and Kumasi; **greenhouses minimize climate risks**
- Close proximity to **Takoradi Port** provides export logistics advantages
- Government offers **additional incentives** for agribusinesses outside Accra

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Revenue Model & Financial Growth

Revenue Stream	Year 5 Production Potential	Revenue Potential	Strategic Role	Investment Justification
Tomatoes (24 acres)	2,160–2,400 MT/year	US$4.3–5.0M	Most stable revenue contributor	Provides strong domestic cash flow, supports early profitability and reduces market risk.
Processed Bird's Eye Chilies (50 acres)	250–300 MT/year dried product	US$3.0–4.5M	Primary export and margin driver	Generates hard-currency revenues, export relationships and supports premium valuation multiples.
Habaneros (6 acres)	120–150 MT/year	US$0.7–1.0M	Premium niche product	Diversifies product portfolio and offers additional upside from premium markets.
Outgrower Platform (250–500 acres)	Scalable contract farming network	US$5.8–10.4M	Principal driver of platform expansion	Delivers asset-light growth without significant additional CAPEX requirements.
TOTAL PLATFORM		US$13.8M–21.0M	Integrated agribusiness platform	Tomatoes = Cash Flow | Chilies = Margins & Exports | Outgrowers = Scale.

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Production Capacity vs Existing Market Demand

PVG targets a small share of existing demand — validated markets, not market creation

Market	Annual Demand / Opportunity	PVG Year-5 Capacity	PVG Required Share
Ghana tomatoes	~800K MT annual demand	2,160–2,400 MT premium tomatoes	<0.3%
Western Region tomatoes	~25–30K MT demand	2,160–2,400 MT premium tomatoes	~7–10%
Processed chili export market	Growing demand for dried chili, flakes & powder	250–300 MT dried product	Small niche supplier
PVG outgrower expansion	250–500 acres contract farming programme	US$5.8–10.4M revenue platform	Scalable asset-light growth

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Chili Market Demand vs PVG Production Capacity

PVG targets a small share of established export markets — not creation of new demand

Market Segment	Existing Demand / Opportunity	PVG Year-5 Capacity	Investor Conclusion
European Fresh Chili Market	64,000+ MT/year fresh chili imports from non-European suppliers.	250–300 MT dried product equivalent	PVG represents <0.5% of the addressable market.
Middle East / GCC Market	Estimated 130,000+ MT/year chili import demand.	250–300 MT dried product equivalent	PVG represents <0.3% of regional demand.
Processed Chili Opportunity	Growing demand for dried chili, flakes and powder from food manufacturers.	250–300 MT/year dried product plus outgrower expansion	Processing improves margins, shelf life and export flexibility.

Funds required to establish agrihub in Takoradi

INVESTMENT CATEGORY	DESCRIPTION	TOTAL INVESTMENT (USD)
Land Preparation & Development	Land clearing, grading, road access, fencing, drainage, site preparation	$0.30M
Nethouses (80 acres total)	Design, materials, construction, shading, cooling & automation systems	$1.55M
Irrigation & Water Systems	Boreholes, pumps, tanks, drip irrigation, fertigation, filtration systems	$0.28M
Infrastructure, Buildings & Facilities	Packhouse, cold rooms, processing unit, offices, staff facilities, workshop, storage	$1.15M
Machinery, Equipment & Vehicles	Tractor, utility vehicles, tillers, sprayers, trailers, tools, harvesting equipment	$0.42M
Solar Farm (2 acres – installed in Year 2)	Solar panels, inverters, batteries, mounting structures, installation	$0.22M
Pre-Operational & Working Capital	Pre-opening expenses, initial inputs, salaries, marketing, logistics buffer	$0.78M
TOTAL REQUIRED INVESTMENT		$4.70M

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PVG – Year 5 Revenue Generation Scenarios

Land Allocation: 50 Acres Bird's Eye Chilies | 24 Acres Tomatoes | 6 Acres Habaneros

Revenue Source	Year 5 Assumptions	Realistic Case (US$M)	Upscaled Platform Case (US$M)
Processed Bird's Eye Chilies (50 acres)	5.0 t dried/acre; 250 t total; US$12,000/t export price	3.00	-
	6.0 t dried/acre; 300 t total; US$15,000/t export price	-	4.50
Tomatoes (24 acres)	90 t fresh/acre; 2,160 t total; US$2,000/t	4.32	-
	100 t fresh/acre; 2,400 t total; US$2,100/t	-	5.04
Habaneros (6 acres)	20 t fresh/acre; 120 t total; US$6,000/t	0.72	-
	25 t fresh/acre; 150 t total; US$7,000/t	-	1.05
Outgrower Platform	250 acres; average revenue US$23,040/acre	5.76	-
	500 acres; average revenue US$20,820/acre	-	10.41
TOTAL REVENUE		13.80	21.00

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PVG VALUE CREATION MILESTONES

Investment horizon is 5-7years

	Operational Milestones	Investor Value Creation
Year 1	• Commercial open field farming operations on 30+ acres • Pilot 5 acres net-house cultivation • Secure buyer agreements & export LOIs • Generate positive EBITDA	• Commercial validation • Reduced execution risk • Proof of scalable model
Year 2	• Build net-house farming capacity • Commission processing & cold-chain facilities • Installation of solar panels • Implement quality systems	• Higher yields • Improved margins • Export readiness
Year 3	• Launch regular chili exports • Obtain certifications • Expand international customer base	• USD revenue growth • Export validation • Higher valuation potential
Year 4	• Scale contracted outgrower network • Increase processing volumes • Build PVG brand	• Asset-light growth • Larger supply platform • Strategic buyer attractiveness
Year 5	• Reach integrated platform scale • Revenue target: US$13–21M • Prepare exit options	• Exit readiness • Acquisition potential • Investor liquidity event

Risk Management & Mitigation Strategy

- **Climate risk** → net houses, irrigation and controlled farming
- **Crop risk** → agronomist leadership and monitoring systems
- **Market risk** → diversified crops and export channels
- **Infrastructure risk** → solar backup and water security
- **Scaling risk** → phased CAPEX linked to milestones
- **Sales risk** → buyer LOIs, export partners and phased production expansion

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5-Year Investor Exit Scenarios

Metric	Base Case	Upside Platform Case
Year 5 Revenue	US$13.8M	US$21.0M
Year 5 EBITDA	US$4.1–4.8M	US$8.4–9.5M
EBITDA Margin	30–35%	40–45%
Revenue Drivers	Own production + 250-acre outgrowers	Own production + 500-acre outgrowers
Exit EBITDA Multiple	7×	8×
Enterprise Value (Year 5)	US$29–34M	US$67–76M
Investor Equity Example	40%	40%
Investor Contribution	US$3.5M	US$3.5M
Investor Equity Value at Exit	US$11.5–13.5M	US$27–30M
MOIC	3.3×–3.8×	7.8×–8.6×
Estimated IRR	28–32%	50–55%

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PVG INVESTOR EXIT STRATEGY

Exit Route	Potential Buyer / Mechanism	Why PVG Becomes Attractive
Strategic Acquisition	International agribusiness companies, food processors, vegetable exporters	Established Ghana production base, processing assets, export channels and farmer network
Sale to Global Fresh Produce Company	Large fruit & vegetable groups expanding African sourcing	Reliable year-round supply platform close to Europe & Middle East markets
Food Ingredient / Spice Industry Acquisition	Chili processors, seasoning companies, spice exporters	Controlled chili supply chain with traceability and processing capability
Founder / Company Buyback	PVG repurchases investor shares through cash flow or refinancing	Provides investor liquidity while founders increase ownership
Secondary Sale to Impact / Growth Investor	ESG funds, agriculture funds, African growth investors	New investor enters after operational risk reduction and proven scale
Dividend Yield Model	Investor keeps ownership in mature platform	Recurring cash distributions from farming, processing and exports

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PVG – 5-YEAR PHASED INVESTMENT PLAN

DISCIPLINED INVESTMENT. REDUCED RISK. MAXIMIZED RETURNS.

ITEMISED PHASED INVESTMENTS BY YEAR (USD)

INVESTMENT CATEGORY	YEAR 1 (USD)	YEAR 2 (USD)	YEAR 3 (USD)	YEAR 4 (USD)	YEAR 5 (USD)	TOTAL (USD)	% OF TOTAL INVESTMENT
Land Preparation & Development	$0.16M	$0.09M	$0.03M	$0.01M	$0.01M	**$0.30M**	6.4%
Nethouses (80 acres total)	$0.15M	$0.70M	$0.45M	$0.15M	$0.10M	**$1.55M**	33.0%
Irrigation & Water Systems	$0.12M	$0.08M	$0.05M	$0.02M	$0.01M	**$0.28M**	6.0%
Infrastructure, Buildings & Facilities	$0.25M	$0.40M	$0.30M	$0.15M	$0.05M	**$1.15M**	24.5%
Machinery, Equipment & Vehicles	$0.18M	$0.14M	$0.06M	$0.03M	$0.01M	**$0.42M**	8.9%
Solar Farm (2 acres – Backup System)	$0.00M	$0.22M	$0.00M	$0.00M	$0.00M	**$0.22M**	4.7%
Pre-Operational & Working Capital	$0.32M	$0.22M	$0.14M	$0.07M	$0.03M	**$0.78M**	16.5%
TOTAL INVESTMENT (USD)	**$1.18M**	**$1.85M**	**$1.03M**	**$0.43M**	**$0.21M**	**$4.70M**	**100.0%**

ADVANTAGES OF THE PHASED INVESTMENT APPROACH FOR INVESTORS

1. **REDUCED INVESTMENT RISK**
   Capital is deployed in phases, minimizing early exposure and allowing validation of operations before large-scale expansion.
2. **CAPITAL EFFICIENCY**
   Investments are aligned with operational needs and revenue generation, improving cash flow management and return on invested capital.
3. **PERFORMANCE-BASED GROWTH**
   Each phase is triggered by performance milestones, market demand, and operational readiness, ensuring sustainable growth.
4. **IMPROVED LIQUIDITY & CASH FLOW**
   Spreading CAPEX over 5 years preserves liquidity and ensures the business can fund operations and expansions comfortably.
5. **FLEXIBILITY TO ADAPT**
   Phased deployment allows the business to adapt to market conditions, commodity prices, regulations, and emerging opportunities.
6. **ENHANCED RETURN POTENTIAL**
   Lower upfront capital with scalable expansion increases potential IRR and overall return to investors.
7. **STRONGER RISK MITIGATION**
   Challenges in early stages can be addressed before further capital commitments, protecting investor capital.
8. **ESG & SUSTAINABILITY ALIGNMENT**
   Phased installation of solar, efficient systems, and climate-smart infrastructure enhances long-term sustainability and investor confidence.

RESULT: A SMART, STAGED INVESTMENT TODAY BUILDS A SCALABLE, PROFITABLE & SUSTAINABLE AGRIBUSINESS LEADER TOMORROW.

LOWER RISK • STRONGER RETURNS • LONG-TERM VALUE CREATION

Why Invest in PVG

Agriculture + Processing + Infrastructure + Technology + ESG

- Risk Mitigation Through Staged Investments
- Early EBITDA Generation (Year 1)
- Hard Asset Backing
- Export-Dollar Revenue
- Multiple Revenue Streams
- Processing Multiplies Valuation
- ESG + Impact Capital Access
- Low Competitive Saturation

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Appendix

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PVG 5-YEAR OPERATIONAL DEVELOPMENT PLAN

BUILDING THE PVG BRAND – POWERED BY DATA, PRECISION FARMING & IOT

YEAR	YEAR 1 Foundation & Start	YEAR 2 Expansion Phase 1	YEAR 3 Expansion Phase 2	YEAR 4 Optimization & Scale	YEAR 5 Stabilization & Growth
FOCUS	Establish foundation, start production, test systems	Scale net houses, increase production	Full-scale expansion of net houses	Operational excellence, double harvests, maximize yields	Consolidate, grow exports, maximize profitability & brand
FARM STRUCTURE	• 30 acres open field (irrigated) • 5 acres nethouse (chillies)	• 30 acres open field (irrigated) • 35 acres nethouse (5 acres added every 2 months)	• 40 acres existing nethouse • +40 acres new nethouse (total 80 acres nethouse)	• 80 acres nethouse (70% chillies, 30% tomatoes) • 20 acres for support facilities (nursery, storage, roads, etc.)	• 80 acres nethouse optimized • 20 acres for support facilities • Focus on productivity, exports & brand growth
KEY TASKS & ACTIVITIES	• Land preparation & irrigation setup • Plant 30 acres open field (tomatoes, chillies, bell pepper) • Install 5 acres nethouse in first 2 months • Test & operate 1 harvest of chillies in nethouse • Install chilli drying facility (pilot) • Build admin office, storage, workers' accommodation • Purchase tractor & 2 vehicles • Establish farm management systems & SOPs • Develop local market channels	• Add 5 acres nethouse every 2 months (total 35 acres) • Continue 30 acres open field production • Grow 70% chillies, 30% tomatoes in nethouses • Optimize irrigation & fertigation systems • Expand drying & start chilli powder production • Evaluate & install tomato processing facility (Q4) • Expand local & export markets • Build operational team capacity	• Install additional 40 acres nethouse (total 80 acres) • Run 80 acres nethouse (70% chillies, 30% tomatoes) • Improve yields & quality • Strengthen post-harvest handling & processing • Grow export market share (50% export target) • Enhance cold storage & packhouse operations • Implement farm digital systems & traceability	• Optimize 80 acres nethouse operations • Achieve 2 harvests of chillies per year • Achieve 3 harvests of tomatoes per year • Improve efficiency & reduce costs per unit • Expand chilli powder & tomato processing • Strengthen export contracts • Invest in staff training & leadership development	• Stabilize high yields across 80 acres nethouse • Increase export volume & product range • Strengthen brand & packaging • Explore value-added products (sauces, pastes, dehydrated) • Evaluate strategic partnerships or exit opportunities • Achieve strong profitability & investor returns
DATA, PRECISION FARMING & IOT	• Basic weather station • Soil testing & mapping • Manual data recording • IoT irrigation timers	• Install soil moisture sensors • Fertigation monitoring • Digital field records • Drone mapping & crop scouting	• IoT climate sensors in nethouses • Real-time monitoring (temp, RH, CO_2, light) • Yield mapping & analytics • Pest & disease forecasting	• AI-driven crop advisory • Automated fertigation • Predictive analytics for yield optimization • Resource use efficiency dashboards	• Full farm digital twin • Machine learning for demand & production planning • Traceability from farm to export market • Continuous improvement analytics
SOLAR FARM	–	Install 2-acre solar farm (panels, inverters, batteries) to power farm operations & reduce energy cost	Optimize solar usage & storage capacity Integrate with farm energy management	Expand battery capacity (if needed) & achieve higher energy independence	100% clean energy target Explore energy export opportunities
PVG BRAND BUILDING	• Create PVG brand identity • Local market presence • Basic packaging & labeling	• Build brand awareness (local & regional) • Quality & consistency focus • Develop product story	• Strengthen PVG brand nationally • Export market branding • Certifications (GAP, HACCP, Organic) • Digital marketing & website	• Expand brand to international markets • Premium packaging • Build customer loyalty programs	• PVG as a trusted global brand • Diversify product portfolio • Strategic partnerships • Brand valuation growth
OUTCOME	Foundation built, systems tested, first harvest achieved	Scaled production, strong operational base, processing started	Full-scale production, export growth, digital transformation	Maximized productivity, higher profitability, strong market position	Sustainable growth, strong PVG brand, high investor returns

OUR TECHNOLOGY ADVANTAGE (IOT)

- Real-time Monitoring (Weather, Soil, Crop)
- Smart Irrigation & Fertigation
- Yield & Performance Analytics
- Pest & Disease Early Detection
- Resource Efficiency (Water, Nutrients, Energy)
- Traceability & Compliance Farm to Export

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PVG – LAND ALLOCATION PLAN (100 ACRES)

PHASED DEVELOPMENT: YEAR 1 → YEAR 2 → YEAR 5

KEY FEATURES ACROSS ALL YEARS

- Rainwater Collection Reservoir
- Solar Powered (Backup System 2 Acres in Year 2)
- Sustainable & Climate Smart
- Technology Driven Precision Agriculture

YEAR 1

ESTABLISH FOUNDATION & OPEN FIELD FARMING

LAND USE	ACRES
Open Field (Chillies & Tomatoes)	30
Nethouses	5
Facilities & Infrastructure (Processing, Storage, Office, Roads, etc.)	15
Rainwater Collection Reservoir	2
TOTAL	100

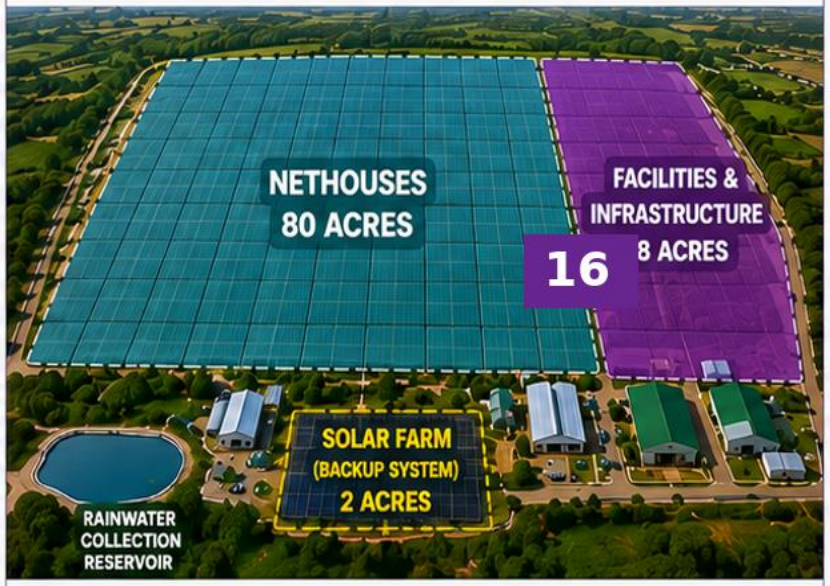
YEAR 2

EXPANSION + SOLAR FARM INSTALLATION (2 ACRES)

LAND USE	ACRES
Open Field (Chillies & Tomatoes)	30
Nethouses	35
Facilities & Infrastructure (Processing, Storage, Office, Roads, etc.)	13
Solar Farm (Backup System)	2
Rainwater Collection Reservoir	2
TOTAL	100

YEAR 5

FULL EXPANSION COMPLETED



LAND USE	ACRES
Nethouses	80
Facilities & Infrastructure (Processing, Storage, Office, Roads, etc.)	16
Solar Farm (Backup System)	2
Rainwater Collection Reservoir	2
TOTAL	100

PVG — 2 Acre Solar Farm Backup System

Energy Resilience, ESG Value & Operating Cost Reduction

Strategic Renewable Energy Investment

- A 2-acre solar farm will support PVG's **100-acre development plan**
- Provides reliable backup power for critical farm operations
- Reduces electricity costs and improves operational stability

Solar System Capacity

- **500 kWp solar installation** generating approximately:
  - **1,800–2,300 kWh/day**
  - **650,000–850,000 kWh/year**
- Designed to support greenhouse and processing energy requirements

Operational Benefits

- Covers estimated electricity demand:
  - **Year 2 (40 acres net houses): 50–70% of power needs**
  - **Year 5 full operations: 25–40% of power needs**

Financial Impact

- Estimated CAPEX: **~US$220K**
- Potential electricity savings: **US$100K–180K annually**
- Expected payback period: **~2–4 years**
- Enhances company valuation through improved EBITDA

PVG Advantage

- Protects operations from grid instability, shortages, and power interruptions
- Secures critical operations: **irrigation • cooling • processing • export quality**
- Supports long-term sustainability and ESG investment standards

What we are going to grow in the first 12 months (30 acres open field)

N	VEGETABLE	NUMBER OF PLANTS PER ACRE	CULTIVATION PERIOD BEFORE HARVESTING	HARVEST TIME	NUMBER OF POSSIBLE HARVESTS PER YEAR	PRODUCTON COST PER ACRE (per one harvesting cycle), GHS	EXPECTED INCOME PER ACRE (per one harvesting cycle), GHS	PROS	CONS
1	CABBAGE (Oxylus)	10,000	2.5 months	2 weeks	4	11,500	60,000 - 80,000	- Low production cost - Quick land turnover - Consistent demand - Easy to harvest and store	-Can't stay long on the filed after maturing - Low price negotiating power -
2	TOMATOES (Diva, Cobra)	6,000	2 months	2 months	3	15,800	65,000-250,000	- Quick land turnover - Big volumes and high revenues	- Labour consuming - Costly supporting system - Fragile to store and transport - Volatile price - Costly seeds
3	BELL PEPPERS (Sinbad)	9,000	2 months	4-6 months	2	23,600	145,000-220,000	- Long harvesting period - High and constant demand - Stable price	- Need for a careful pathogen control - costly seeds
4	HABANERO (Picante red, Picante yellow)	10,000	2 months	5-12 months	1-2	26,000	300,000-900,000	- Long harvesting period - High and constant demand, - High price	- Need for a careful pathogen control
5	CHILIS (Demon)	14,000	3 months	5- 12 months	1-2	29,000	230,000-500,000	- Long harvesting period - High demand - High price - High export potential	- Need for a careful pathogen control

Farming Integrated Ecosystem models

European/Israeli model

Works best for:

- high-value greenhouse vegetables,
- very high capital investment,
- advanced automation,
- premium supermarket supply chains.

Challenges for Ghana:

- expensive,
- energy intensive,
- hard to scale nationally,
- less suited to millions of smallholders

Indian model

Works best for:

- tropical climate,
- fragmented and decentralized farming,
- contract farming,
- low-cost labour,
- rapid scaling,
- export chilies,
- drying crops,
- informal-to-formal market transitions
- massive farmer aggregation

Ministry of Food and Agriculture support

Strong Government Support

- MoFA actively promotes commercial agriculture, food security, and import substitution
- Vegetable farming is aligned with Ghana's agricultural development priorities

Tax Holidays & Location Incentives

- **5-year corporate tax holiday** available for qualifying agricultural projects
- Reduced corporate tax rates after the holiday period based on project location
- Additional incentives for foreign investments meeting capital requirements

Import Duty & VAT Benefits

- **0% import duty** on qualifying agricultural machinery and equipment
- Exemptions for agro-processing equipment and value-added production facilities
- Reduced upfront CAPEX through lower import costs

Investor Protection & Financial Benefits

- Legal protection framework for foreign investments
- Ability to repatriate dividends and profits under investment regulations
- Supportive environment for long-term agribusiness growth

Climate conditions of Western Region, Ghana

Stable Tropical Climate Supporting Year-Round Agricultural Production

Climate Overview

- South-western equatorial climate with consistently warm temperatures and high humidity
- Stable year-round conditions with two distinct rainy seasons

Temperature

- Consistently warm throughout the year with limited seasonal variation
- Average daytime temperatures range from **~27°C in August to ~34°C in March**

Rainfall

- One of Ghana's wettest regions with significant seasonal rainfall
- **Major rainy season:** March–July, with peak rainfall in May–June
- **Minor rainy season:** August–November
- Shorter dry period mainly during December–January

Humidity & Sunlight

- High relative humidity, averaging **~81–91% throughout the year**
- Around **5–7 hours of daily sunshine** supporting crop production

Greenhouse Advantage

- Controlled farming systems reduce climate risks from heavy rainfall and humidity
- Enables consistent yields, better quality control, and reliable year-round production

Agricultural specifics of Western Region

Vegetable Consumption & Market Gap

- Ghana has significant growth potential in fruit and vegetable consumption
- Western Region faces higher vegetable prices due to limited local supply and dependence on other regions
- Growing demand creates opportunities for reliable year-round production

Soil & Agricultural Conditions

- Fertile soils ranging from sandy loam to clay support a wide variety of crops
- Suitable for cocoa, oil palm, maize, vegetables, and other commercial crops
- Some areas face challenges from erosion and seasonal waterlogging

Current Farming Practices

- Agriculture is dominated by small-scale farmers with limited technology adoption
- Traditional farming methods contribute to lower yields and high post-harvest losses
- Limited controlled-environment farming creates opportunities for modern greenhouse production

Key Crops in the Region

- Major staples: **cassava, plantain, maize, and cocoyam**
- Major cash crops: **oil palm, cocoa, rubber, and coffee**
- Growing opportunity for high-value vegetables and export crops

Republic of Ghana

MINISTRY OF FOOD AND AGRICULTURE

36TH NATIONAL FARMERS' DAY

Metropolitan / Municipal / District Award

Certificate of Merit

Awarded to

MR. SAMUEL ASEFUAH (Best Vegetable Farmer)

of Takoradi (Air Force)

in recognition of the outstanding contribution towards

THE DEVELOPMENT OF AGRICULTURE IN GHANA

Given this day Friday, 6th November, 2020 at Diabenekrom

in the Sekondi Takoradi **Metropolitan / Municipal / District in the**

Western **Region.**

HON. DR. OWUSU AFRIYIE AKOTO
MINISTER FOR FOOD AND AGRICULTURE

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