



Agri-Tech Organics
(PNG) Limited

Sustainable Development Through Innovation & Digital Transformation



Presented By
Christopher Vaglia

Date of Presentatin
24th October 2023



Presentation Outline

PART 1

Introduction

PART 2

Alignment with SDG's?

PART 3

Our Priorities?

PART 4

How Are We Progressing?

PART 5

How Do We Fix The Problem?



Agri-Tech Organics
(PNG) Limited

Introduction

Agri-Tech Organics (PNG) Limited stands as a trailblazing force in Papua New Guinea's agricultural sector, harnessing the power of technology to revolutionize the way we connect, transact, and cultivate. Specializing in advanced e-commerce platforms, cutting-edge cloud solutions, artificial intelligence, and crowdfunding technologies, Agri-Tech Organics is reshaping the agricultural landscape.

By seamlessly integrating these technologies, the company is not only fostering a new era of digital connectivity but also empowering farmers and entrepreneurs. Through innovative e-commerce avenues, cloud-based efficiency, AI-driven insights, and crowdfunding support, Agri-Tech Organics is driving economic growth, fostering sustainable agriculture, and transforming the future of Papua New Guinea's digital agriculture ecosystem.





"Forging Partnerships during the Digitalisation & Adoption of Emerging Technologies Seminar, hosted by the Export Counsel of Australia Seminar - 2023."

Insights from our CEO

For Agri-Tech Organics (PNG) Limited, technology and innovation serve as the cornerstones of progress and empowerment within the unique context of Papua New Guinea's emerging economy. In this dynamic environment, technology isn't merely a tool; it's a catalyst for transformative change.

Agri-Tech Organics recognizes that embracing cutting-edge technology, including e-commerce platforms, cloud solutions, artificial intelligence, and crowdfunding mechanisms, is not just about staying ahead in a competitive market—it's about bridging gaps, fostering inclusivity, and enabling economic participation.



THE GLOBAL GOALS



The 17 Sustainable Development Goals

The Sustainable Development Goals (SDGs), also known as Global Goals, are a set of 17 integrated and interrelated goals to end poverty, protect the planet and ensure that humanity enjoys peace and prosperity by 2030.

Agri-Tech Organics (PNG) Limited embraces the SDGs, aligning its mission with global aspirations. By addressing these goals, the company demonstrates its dedication to eradicating poverty, promoting environmental sustainability, and fostering social well-being.



Priority SDGs

There are 17 SDGs and 169 targets in total. While they are all important and interrelated, some are more relevant to our business than others. Here we identify the specific SDGs and targets our organization is prioritizing, and demonstrate how they align with our own business strategy and goals.



INDUSTRY, INNOVATION & INFRASTRUCTURE

Agri-Tech revolutionizes by enabling digital innovations, advancing infrastructure, and promoting innovation, fostering sustainable development and economic growth in Papua New Guinea.



PARTNERSHIPS FOR THE GOAL

Agri-Tech collaborates with diverse stakeholders, forging meaningful partnerships to drive sustainable development, supporting Papua New Guinea's progress and prosperity.



SUSTAINABLE CITIES & COMMUNITIES

Agri-Tech endeavours to advance agriculture, smart technology, and community engagement, promoting sustainable cities and enhancing living standards in Papua New Guinea.



How Are We looking?

The agricultural sector accounts for approximately a quarter of Papua New Guinea's GDP. Agriculture remains the principal economic activity which provides livelihood for 85% of the rural population who rely directly on subsistence farming for their basic needs, having only little contact with the formal economy.

~ Price Waterhouse Cooper

Economic Slowdown Factors:

- Revised down growth in 2023 due to worse-than-expected economic performance.
- Sales in various sectors down by 20%-30% in the first half.
- Imports plummeted by 61% in Q1 YoY, indicating postponed or abandoned private investments.
- Difficulty in sourcing foreign exchange due to limited central bank releases.
- Challenges include power and water supply disruptions, flight cancellations, and banking system issues.

Inflation Trends:

- Headline inflation eased in Q1 2023.
- Prices for clothing, communication, health, and recreation below 2.0% YoY.
- Decline in prices of alcoholic beverages, tobacco, and education.
- Elevated price pressures on essential items: food (8.7% YoY), household equipment (12.2%), and transport (4.9%).
- Kina Facility Rate remains unchanged at 3.50%.

~ADB Outlook Report, September 2023



What Do We Need To Do?

1 IMPROVING DIGITAL INFRASTRUCTURE:

- **Invest in Broadband Connectivity:** Enhance nationwide internet access to facilitate online transactions, e-commerce, and digital communication, enabling businesses to reach wider markets and operate efficiently.

2 BOOSTING FINANCIAL TECHNOLOGY (FINTECH) SOLUTIONS:

- **Digital Payment Systems:** Develop secure digital payment platforms to mitigate foreign exchange challenges, allowing businesses to conduct international transactions seamlessly and ensuring a stable financial ecosystem.
- **Crowdfunding Platforms:** Establish platforms that connect investors with businesses, encouraging investments and stimulating economic activities.

3 ENHANCING SUPPLY CHAIN MANAGEMENT:

- **Implement Blockchain Technology:** Utilize blockchain for transparent and secure supply chain management, ensuring the integrity of goods and minimizing losses due to disruptions, such as power and water supply issues.

PROMOTING ONLINE EDUCATION AND SKILL DEVELOPMENT:

- **Digital Learning Platforms:** Invest in online education platforms to enhance skills and knowledge, addressing gaps in the workforce and fostering a tech-savvy population capable of driving innovation.

5 IMPLEMENTING SMART ENERGY SOLUTIONS:

- **Renewable Energy Integration:** Invest in renewable energy sources and smart grids to ensure a consistent power supply, reducing disruptions and supporting both businesses and households. Renewable energy can also power technology infrastructure sustainably.



Next Steps

We are required to drive holistic tech solutions: assess, collaborate, innovate, secure, and evaluate progress continually.

UNDERSTAND

We need to understand what's out there; systems, workflows, processes..

INVEST

We need to invest in the right people and platforms.

EVALUATE

We need to continually monitor and evaluate outcomes and improve.

SME/Farmer



Agri-Tech Organics (PNG) Limited

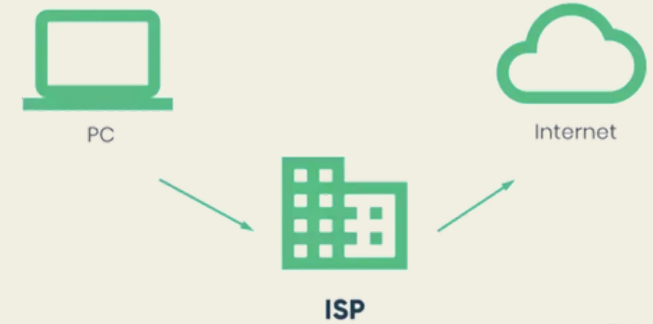
- E-Commerce Platform Development
- Software Development
- Blockchain R&D & Digital Currency
- Project Management
- Web Hosting of Domain Registration
- Crowdfunding Solutions



INTERNET SERVICE PROVIDER



WISP Limited - ISP



Unbloc AI - AI Content Creation Tool



AI Kreator - AI Image Generation Tool

WEB HOSTING & CLOUD INFRASTRUCTURE



Hosterella - Web Host & Domain Registry



SME Plus+	
- Hosting for 1 Website	K15.00PGK Monthly
- FREE & Auto SSL	
- 3 GB SSD Raid 10 Storage	Order Now
- 200MB Bandwidth/month	
- 3 Email Accounts	
- 1 Sub Domains	
- 1 mySQL Databases	

FUNDRAISING FUNCTION



Invest In Me - Crowdfunding Platform



Agri-Tech Crowdfund
by Invest In Me in Agriculture

Agri-Tech Organics is set and aims to revolutionize the way we market and trade our very own home grown produce.

\$40,206.00 Raised 16.08%

\$250,000.00 Goal 0 Days to Go

Port Moresby, Papua New Guinea

SUPPORT FUNCTION



Vagalía Academy - Learning Management System



ZenMasta - ERP Tool



Niuenco - Project Management Tool



Trinity Engineering & Construction - EPC Capabilities



PNG Digital ICT Cluster - ICT Partner



Conclusion

Agri-Tech's strategic initiatives, from bolstering digital infrastructure to fostering tech partnerships, exemplify a dedicated approach to addressing vital priorities.

Through innovative solutions, collaborative efforts, and adaptive strategies, Agri-Tech stands poised to drive meaningful change, ensuring sustainable growth and prosperity for Papua New Guinea.

By embracing transformative technology, they are not just addressing immediate challenges but also shaping a resilient future for the nation, bolstering economic stability and fostering a digitally empowered society.



Creativity & Innovation Drive Growth

- Agile Approach
- Quick Deployment & User-friendly



Creating Key Partnerships

- Shared Vision & Goals
- Mutually Beneficial



Creating a Sense of Ownership

- End User is a part of the solution
- End User can Identify & Relate to solution



Agri-Tech Organics
(PNG) Limited

We thank you for your participation

Contact

Agri-Tech Organics (PNG) Limited

P.O Box 195, Gordons, Port Moresby, PNG

www.atopng.com

info@atopng.com