



HOW PNG IS DEVELOPING A CULTURE OF INNOVATION

A look at the development efforts and initiatives ICT Start-ups in PNG are adopting to establish a sustainable and inclusive innovation culture and thriving tech ecosystem

2018 PNG Investment Conference
Brisbane, Australia 6th – 7th August

Crystal A. Kewe
Crysan Technology Ltd

Outline

- Introduction
- What is Innovation? Why is it Critical?
- Developing a Culture of Innovation – The PNG Context
- Tech Innovations in PNG – PNG Digital ICT Cluster
- Way forward for PNG – A Joint Endeavour

Introduction

- Crystal A. Kewe
- Co-Founder and Chief Technical Officer of
 - Crysan Technology Ltd
 - A software development company based in Port Moresby
 - Have over 6 years experience as a full-time Software Engineer
- Advocate of ICT Start-ups & Tech SMEs in PNG
- Advocate of STEM Fields
- A member of the PNG Digital ICT Cluster
- Present a brief overview of How PNG is Developing a Culture of Innovation, particularly, Tech Innovation

What is Innovation?

- **What is Innovation?**
 - Implementation of a new or significantly improved:
 - Product, service, process, method, business practice, etc.
- **3 Types of Innovations**
 - Modification and adaptations
 - Modification and development of Competitive Advantages
 - Unique development of a global significance
- **Innovation Activities – Scientific, Technological, Organizational, etc**
- **Focus on Technological Innovations in PNG**

Why is it Critical?

- **Driver for Social and Economic Change & Growth**
- **Increase opportunities for PNG's rapidly growing population – projected to be 30mil by 2050**
- **Need to diversify Economic Base**
 - Windfall from non-renewables will end; soon



Developing a Culture of Innovation – The PNG Context

- Current Situation of Innovation in the ICT Sector
 - Weak linkages between Industry, GoPNG and Development Partners
 - Lack of cohesive strategy and policy framework to establish a culture of innovation
- Small but vibrant community of ICT start-ups doing their best to innovate e.g. PNG Digital ICT Cluster
- Innovation activities focused on modifications and some development of competitive advantages
- Advocacy by ICT start-ups to raise awareness about their capabilities
- Voluntary Initiatives by ICT sector members to promote STEM fields; to develop future innovators

Tech Innovations in PNG – “The PNG Digital ICT Cluster”



e-nova Solutions

QR Code Generation, Civil Data and Big Data

www.enovasolutions.com

Skylink Invent

Pseudo Satellite Drones and Token Systems

www.skylinkinvent.com

Artech PNG

Animation and Interactive Cultural Gaming development

www.artech.com.pg

Crysan

Custom Software Solutions & Algorithmic Development

www.crysan.com.pg

Minsoft

Education Systems, Biometrics and Digital ID Systems

www.minsoft.com.pg

Cryptotech Ventures and C5V

Blockchain in Crowd Source Funding and Sustainable Development

www.facebook.com/cryptotechventures



Way Forward for PNG

The following should be considered to develop a culture of innovation:

- National Innovation Policy
- National Innovation Strategy
- National Innovation System
- Clusters
- Hubs

THANK YOU

- **Westpac Bank PNG Ltd**
- **Business Advantage
International**
- **Attendees of the 2018 PNG
Investment Conference**

