



CONCEPT PROPOSAL FOR  
STRATEGIC PARTNERSHIP  
WITH SOLOMON ISLANDS  
GOVERNMENT



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v 0.1

# Executive Summary

This proposal outlines a **public-private partnership (PPP)** between the Solomon Islands Government and **Aorangi Group** to address immediate state needs and build long-term national resilience. The initiative is based on **freehold land holdings** strategically located on Guadalcanal, ensuring secure ownership and smooth project implementation without the complexities of customary land negotiations.

The proposal includes five interlinked components:

1. **Expansion of Honiara International Airport** (infrastructure and logistics hub).
2. **Housing development for government officials and their families** (centralization of dispersed administration).
3. **Deployment of Waste-to-Energy (W2E) systems** (energy independence and clean environment).
4. **Development of advanced aquaculture and mariculture sectors** (food security, exports, and employment).
5. **Food waste valorization through Black Soldier Fly Larvae (BSFL) processing** (circular economy, protein production, sustainable agriculture).

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# Expansion of Honiara International Airport

- **Objective:** Transform Honiara into a regional aviation and logistics hub.
- **Actions:**
  - ✓ Runway extension and modernization to support larger aircraft.
  - ✓ Construction of new cargo and passenger terminals.
  - ✓ Integration of renewable energy and W2E power supply for airport operations.
- **Benefits:**
  - ✓ Improved connectivity with Asia-Pacific and global markets.
  - ✓ Growth in tourism, trade, and international visibility.
  - ✓ Reduction of dependency on foreign airports for cargo transit.
- **Model:** PPP with state oversight; government secures strategic control, while Aorangi Group finances, builds, and co-operates under a concession framework.

# Housing Project for Government Officials

- **Objective:** Provide **high-quality residential housing** for civil servants and their families, enabling the centralization of Solomon Islands' fragmented government administration.
- **Actions:**
  - ✓ Construction of modern housing units, schools, and community facilities.
  - ✓ Development of a safe, serviced residential zone on freehold land close to Honiara.
- **Benefits:**
  - ✓ Increased efficiency of government operations through centralization.
  - ✓ Improved quality of life for civil servants and their families.

- ✓ Social stability through reliable housing infrastructure.

## Waste-to-Energy (W2E) Systems

- **Objective:** Provide **clean, stable, and independent electricity generation** while solving urban waste challenges.
- **Actions:**
  - ✓ Installation of modular W2E plants capable of converting municipal and industrial waste into electricity and hydrogen.
  - ✓ Integration with the national grid and local industrial hubs (including airport and housing estates).
- **Benefits:**
  - ✓ Reduced dependence on imported fossil fuels.
  - ✓ Cleaner environment through sustainable waste management.
  - ✓ Creation of carbon credits for international trading and green financing.

## Advanced Aquaculture and Mariculture Development

- **Objective:** Build a **modern food production sector** for domestic supply, export markets, and regional food security.
- **Actions:**
  - ✓ Establishment of integrated aquaculture farms (tilapia, shrimp, and seaweed).
  - ✓ Development of mariculture clusters (grouper, trepang/sea cucumber, seaweed, giant clams, pearl oysters).
  - ✓ Processing and preservation via **freeze-drying (lyophilization)** to create high-value export products.
- **Benefits:**
  - ✓ Improved national food security and reduced imports.
  - ✓ Diversification of the economy with high-value exports.

- ✓ Job creation for local communities and skills transfer in modern aquaculture technology.

## Food Waste Valorization through BSFL

- **Objective:** Transform organic food waste into **high-value protein and organic fertilizer**, supporting both food production and waste reduction.
- **Actions:**
  - ✓ Establish BSFL processing facilities integrated with W2E plants and municipal waste streams.
  - ✓ Collect food and organic waste from markets, households, and food services.
  - ✓ Process waste via BSFL into:
    - **High-protein larvae meal** for aquaculture and poultry feed.
    - **Frass (organic residue)** as a high-quality biofertilizer for local agriculture.
- **Benefits:**
  - ✓ **Circular economy model:** turning waste into feed and fertilizer instead of landfill.
  - ✓ Reduced environmental burden of food waste in urban centers.
  - ✓ Lower cost of feed for aquaculture and poultry farming.
  - ✓ Export potential of BSFL-derived products to Asia-Pacific markets.
  - ✓ Job creation and training in new biotechnology sector.

## Strategic National Benefits

- **Institutional strengthening:** Centralized government operations.
- **Infrastructure modernization:** Airport as Pacific gateway.
- **Energy independence:** W2E plants with integrated BSFL facilities.

- **Economic diversification:** Aquaculture, mariculture, BSFL feed and fertilizer.
- **Environmental sustainability:** Closed-loop waste management combining W2E and BSFL.
- **Geopolitical balance:** Development based on domestic capacity and international partnerships, not dependency on one external power.

## Implementation Approach

- **Phase 1 (Year 1-2):** Finalize PPP agreements; initiate airport expansion design; start housing construction; deploy first W2E and BSFL pilot facilities.
- **Phase 2 (Year 3-4):** Commission airport expansion; complete housing settlement; scale up W2E systems; launch aquaculture farms; expand BSFL facilities linked to food markets.
- **Phase 3 (Year 5+):** Expand aquaculture/mariculture clusters and BSFL production for exports; airport fully operational as regional hub; energy and food waste systems scaled to cover Honiara and other provinces.

## Conclusion

This integrated proposal leverages **rare freehold land availability** to deliver projects of national importance for the Solomon Islands. By combining infrastructure, housing, energy, waste-to-resource technologies, and food production, it establishes a foundation for **sovereign economic growth, institutional strengthening, and long-term resilience**.

**Aorangi Group** is ready to engage in structured discussions with the Government of Solomon Islands to define the implementation framework, legal instruments, and financing model that ensure mutual benefit and sustainable development.