

Solomon Port's Green Port Initiative





Arctic Ocean

Atlantic Ocean

Pacific Ocean

Pacific Ocean

Atlantic Ocean

Indian Ocean

Solomon Islands

Southern Ocean

Solomon Island Port Authority-Honiara Port



Solomon Island Port Authority-Noro Port



What is our Green Port Initiative?

- An Initiative designed to reduce the environmental impact of ports while still helping them remain economically sustainable.

What are ways to achieve this?

- Improving energy efficiency (use of less energy to perform the same task or produce the same result)
- Reducing waste and emissions
- Promoting environmentally responsible shipping and transportation practices
- Protecting the surrounding environment
- Enhancing biodiversity
- Creating a sustainable port community

Project Goals



1. REDUCE THE USE OF FOSSIL FUEL ENERGY FOR PORT OPERATIONS AND CONTRIBUTE TO THE REDUCTIONS OF EMISSIONS OF GREENHOUSE GAS EMISSIONS (GHG) TO COMBAT GLOBAL WARMING

2. REDUCE THE HIGH COSTS OF OPERATIONS BY USING RENEWABLE ENERGY SOURCES FOR PORT'S ENERGY USAGE.

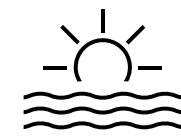
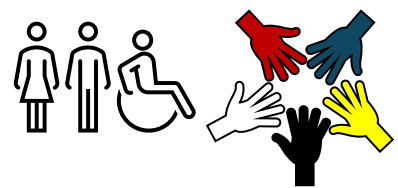


3. INTEGRATE AND SUPPORT THE LOCAL COMMUNITY THROUGH A PORT-CITY-COMMUNITY DIALOGUE TO PROPAGATE THE MESSAGE OF GREEN PORTS AND SHARE BENEFITS OF RENEWABLE ENERGY USE.



4. TRANSFORM SOLOMON MARITIME INFRASTRUCTURE FOR BETTER CLIMATE RESILIENT

5. BE A CLIMATE CHANGE ADVOCATE IN THE PACIFIC MARITIME COMMUNITY .



Targeted Sustainable Development Goals (SDGs)

The Sustainable Development Goals or Global Goals are a collection of seventeen interlinked objectives designed to serve as a "shared blueprint for peace and prosperity for people and the planet, now and into the future- (source: Wikipedia definition)



What are ways Solomon Ports is mitigating climate change in its operations?

Technology in use

1. Solar PV systems
2. LED lighting systems
3. GPS/GLONASS based systems for fleet management



In-House Practices

- Ec0- Driving Skills
- Signboards of Energy Conservations
- Staff Awareness

Areas of Implementation

1. International Terminals

- a) Honiara Port- Capital City, Guadalcanal Province
 - i. Berthing Zones
 - ii. Container Yard
 - iii. Fuel Storage
 - iv. Operations Building & Area
 - v. Administration Building & Area
- b) Noro Port- Western Province
 - i. Berthing Zones
 - ii. Container Yard
 - iii. Operations Building & Area
 - iv. Administration Building & Area

2. Domestic Terminal

- a) Perimeter Lighting ISPS Jetty Gates
- b) LED Light Poles
- c) Security Checkpoints Building
- d) Entrance/Exit Boom Gates
- e) 3Rs Concept Proper Waste Disposal Sites

3. Community Support

- a) Common Streetlight
- b) Community Schools
- c) Community Hall
- d) Staff House security lights
- e) Community Market lights

4. 3Rs Concept Implementations

- a) Quarantine Facility
 - i. Incinerator Plant
- b) Proper Waste Disposal Sites
 - i. Domestic Terminal
 - ii. Public Places
 - iii. Schools
- c) Reuse of Old Equipment & Machines
 - i. Solomon Islands National University (SINU)
 - ii. Recycle Groups

Container handling Fleets

Reacher Stacker



Empty Container Handler



ForkLifts



Terberg Container



ISPS solar perimeter lights in both ports (256 PV units)



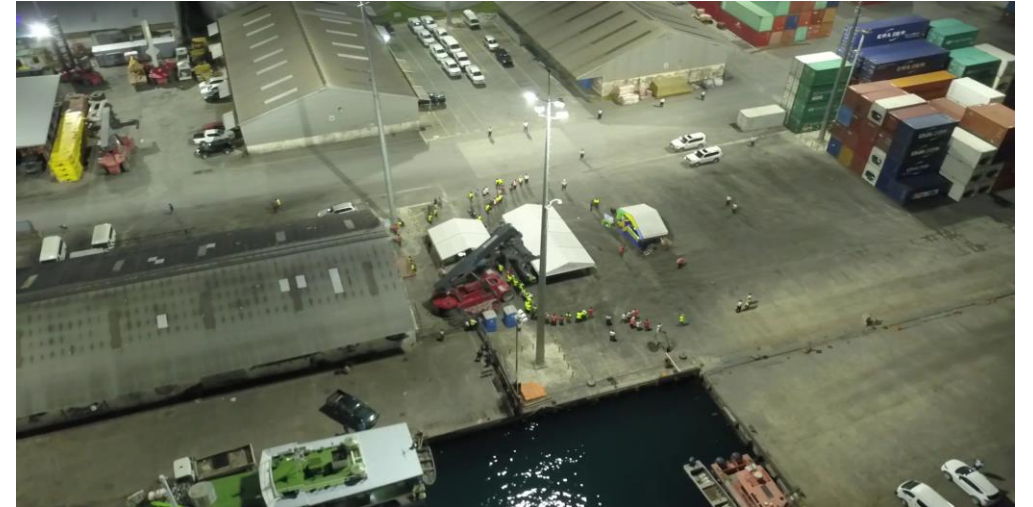
ISPS Perimeter lights Solar powered



Directional arrow lighting- solar powered – Honiara Port area



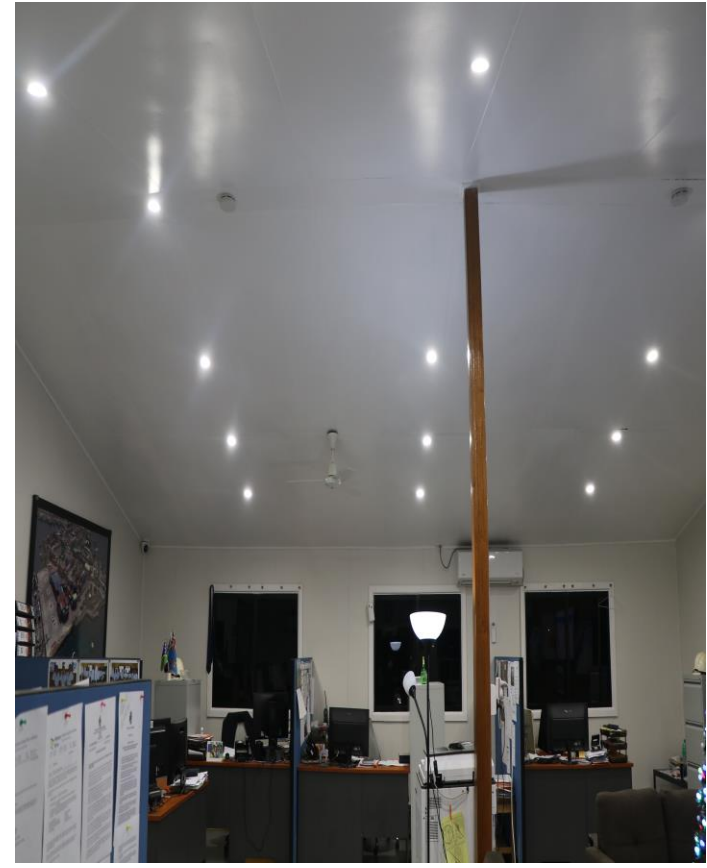
Honiara Port night view- Highly Efficient LED Lighting system



Noro Port at night – LED lighting



Port Buildings LED lights installed by replacing fluorescent lightbulbs



Community Support- Solar Streetlights



- SIPA has so far extended the initiative to rural Solomon islanders who have no access to electricity.
- Already involved 5 communities in three (3) provinces in the Solomon islands.
- Communities benefit through Solar powered lights for schools, community halls, and street lights.



Global recognition-IAPH award



- In 2022 , Solomon Ports' Green Port's initiative's 'Renewable Energy for a Sustainable Community project' was nominated as a finalist , and won the 2022 International Association of Ports and Harbours (IAPH) Sustainability Awards, under the "Community Building" category.
- Solomon Ports joined six other major global ports as finalists in the 'Community Building Category', including ports from Australia, Latvia, Azerbaijan, Malaysia, Canada, and Belgium.
- This nomination reaffirms Solomon Ports' global standing and its commitment to sustainable community development.
- This is SIPA's second time being named a finalist, making it the only Port in the Pacific to be selected twice for such prestigious global maritime transportation awards.
- This reflects the consistency and quality of Solomon Ports' sustainability efforts over time.

THANK YOU