ESCAP: 2024 Asia – Pacific Regional Dialogue on Sustainable Maritime Connectivity

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by

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President – Pacific Maritime Transport Alliance
Presentation Outline

1. Pacific Maritime Transport Alliance (PMTA)
   - Brief Background Information
   - PMTA Strategy and cooperation mechanism towards Green Port.
   - Samoa – Green Port Journey to date.

2. Samoa Ports Authority – Country Report
   - History and current Development Projects – video presentation
   - Challenges of the Maritime and Ports sector
   - Priority Projects to create resilient, green and clean maritime transport and ports sector.
PMTA Background Information

- Formerly Pacific Countries Ports Association (PCPA), Pacific Islands Maritime Association (PacMA).
- PCPA Constitution amended in 2010 to establish PMTA
  - PMTA to broaden scope of membership to include maritime related services public or private
  - incorporated in Tonga under the Incorporated Societies Act
  - secretariat and treasury services with the SPC
  - 46th Annual Conference in Nadi with FPC as Host port
- Pacific Ports and maritime related service providers / port users can be members
PMTA Strategy towards Green Port

Pacific Ports Vision 2030 – 2050 (SPC)

- Recognition Framework
  * Pacific ports to become more resilient, greener and cleaner
  * Long term objectives for Pacific ports to be resilient, greener and cleaner

- Recognition Indicators
  * Resilient
  * Green
  * Clean
  * Government and Stakeholders
SAMOA PORTS AUTHORITY – GREEN PORT INITIATIVE
SPONSORS / CONSULTANTS

ADB
ASIAN DEVELOPMENT BANK

Samoa Ports Authority

Royal HaskoningDHV
Enhancing Society Together
‘Apia Green Port’

“Small steps, huge potential”
Vision for Apia Green Port

➔ To be a “green” port

➔ Optimising energy efficiency, adopting environmentally sustainable practices and developing in a sustainable manner; and

➔ Operationally efficient, safe, and resilient to climate change and future commercial challenges

➔ To be a safe port

➔ Enhancing preventative and preparatory measures to ensure timely and effective response to disasters in a coordinated manner

➔ To be a gender equal port

➔ Institutionalising gender equality in its green port operations and management
Project Outputs ➤ Project Inputs

- **Green Port Policy** – including commitments to environmental management, operational efficiency, climate reliance, disaster preparedness and gender equality

- **Green Port Practice Manual** – a practical handbook to guide improvement of performance and daily operations

- **Multi-Hazard Disaster Preparedness Plan**

- **Green Port Initiatives** – to optimise operational and energy efficiency and promote environmentally sustainable practices

![“Health Check”](Image)
The Samoa Ports Authority will strive to:

- **Optimise resource use and decarbonise port operations**
- **Adopt environmentally sustainable practices and develop in a sustainable manner**
- **Be operationally efficient, safe, and resilient to future climate change and commercial challenges**
Green Port Policy Commitments

**Environmental Management**

1. To ensure the efficient and sustainable use of resources - electric power, diesel and water - within the port
2. To manage port operations to prevent pollution and impact on the environment and local communities; measure and reduce emissions to the air and sea
3. To responsibly manage and reduce waste generated by port and shipping activities - reduce, re-use, recycle
4. To reduce reliance on fossil fuels and support decarbonisation by embracing renewable energy use
5. To comply with all environmental legislation, codes and regulations that the port and Samoa are signatories to
6. To protect and conserve biodiversity within the port’s influence

**Operational Efficiency**

7. To improve operational and navigational safety
8. To reduce operational costs through greater efficiency in the yard and reduction in delays

**Climate Resilience**

9. Ensure that port assets and operations are resilient to climate change for continuous service delivery
## Green Port KPIs ➤ Green Port Initiatives

### Environmental Management

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<th>Policy Commitment</th>
<th>KPI</th>
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| E1 | To reduce reliance on fossil fuels and support decarbonisation by embracing renewable energy use | Percentage renewable electricity consumed (kWh) by SPA (and tenants) as a proportion of overall electricity consumption  
Carbon footprint total tCO2e (tonnes of carbon) |
| E2 | To ensure the efficient and sustainable use of resources - electric power, diesel and water - within the port | Diesel use (litres consumed vs cargo throughput volume; e.g. litres/TEU)  
Electricity use (KWh)  
Water use (m3) |
| E3 | To manage port operations to prevent pollution and impact on the environment and local communities; measure and reduce emissions to the air and sea. | Number of complaints (Capture incident reports from Apia residents of noise, light pollution)  
Air quality pollution event monitoring (Continuous monitoring; number of events above a given threshold of PM2.5/NOx/SOx concentration) |
| E4 | To responsibly manage and reduce waste generated by port and shipping activities - reduce, re-use, recycle | Total waste (Tonnes of waste generated/collected by type)  
Recycling (x% of overall waste recycled) |
| E5 | To comply with all relevant environmental legislation, codes and regulations that the port and Samoa are signatories to | Compliance with all relevant international, national and local legislation. |
| E6 | To protect and conserve biodiversity within the port’s influence | Biodiversity (Water quality through monitoring of oil pollution or other pollution events affecting seawater) |
Green Port Initiatives ➤ Long-list of 42

- **Operational Efficiency**: 12 GPIs
- **Disaster Preparedness**: 7 GPIs
- **Environmental Management**: 19 GPIs
- **Climate Resilience**: 1 GPI
- **Social Sustainability**: 3 GPIs
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**Short-list of 13**

- ** behaviour and green ambassadors**
- **Green infrastructure**
- **Yard and asset management**
- **Hazard identification and risk management**
- **Solar PV**
Samoa Ports Authority – Country Report

- established under the Ports Authority Act 1998 as a state owner enterprises (SOE)
- commenced operation on 1st July 1999
- celebrated its 25 years of service on 1st to 5th July 2024.
- enhancing Safety, Security and Sustainability of Apia Port project
- Green Port Initiatives
THANK YOU
FAAFETAI TELE LAVA
VINAKA