

23RD INAP CONFERENCE

OCTOBER 16-17, 2024

RESILIENT PORTS:

INNOVATING BEST PRACTICES FOR ENVIRONMENTAL PROTECTION AND DISASTER MANAGEMENT

Port of Subic Bay

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DEPUTY ADMINISTRATOR FOR PORT OPERATIONS







23RD INTERNATIONAL NETWORK OF AFFILIATED PORTS CONFERENCE

October 16, 2024

THE PORT OF SUBIC BAY

A strategic port at the heart of the Asia Pacific Region





WORLD CLASS MARITIME FACILITIES AND TERMINALS





GREEN INITIATIVES

Sustainable Operations



SUBIC WATERSHED FOREST RESERVE



- Approximately 10,000 hectares in size, of which 3,000 is closed canopy forest
- Considered as home of the last remaining old growth forest western Luzon
- Rich in biodiversity and has a high level of endemism

SBMA'S ENVIRONMENTAL MANDATE

Sec. 95. Principles – SBMA recognizes the importance of maintaining a high degree of environmental quality as a precursor to the sustainable economic development – Chapter IX of the IRR of RA 7227









SEA MARINE CONSERVATION EFFORTS



- Marine Turtle Conservation Program
- Mangrove Nursery Maintenance and Mangrove Planting Activities
- Implementation of SBMA Marine Conservation Guidelines

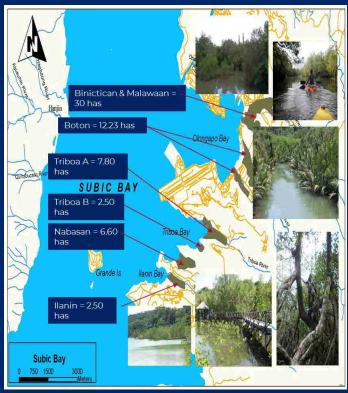












MOST ADVANCED VESSEL TRAFFIC MANAGEMENT SYSTEM





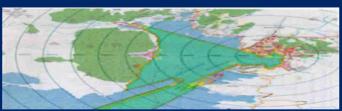






Radar Coverage

Previous Coverage











DISASTER PREPAREDNESS

Building a Resilient Port City



TRAINING AND CAPACITY BUILDING





OIL SPILL EXERCISE



- Test port's capabilities
- Identify concerns
- Measure response time
- Boost emergency response



ASSETS AVAILABLE TO RESPOND OIL SPILL INCIDENTS



SBMA Seaport Department

7 Vessels

- 4 multipurpose vessel
- 1 garbage collector vessel
- 1 oil spill vessel
- 1 line handling vessel
- 200 meter oil spill boom (PNP MG to operate these vessels)

SBMA Harbor Patrol

- 4 patrol boats
- 4 divers with diving equipment

SBMA Ecology Center

4 divers with diving equipment







Philippine Coast Guard

BRP Suluan

- 1 Rhib Boat 200hp, 10 person capacity
- Olongapo MEP- 7 personnel

Malayan Towage and Salvage Corp

- 6 tugboats
- 30 personnel
- Complete oil spill equipment

Eagle Asia Towing Corp

- 2 tugboats
- Spill boom

Harbor Star Shipping Services Inc

- 3 tugboats
- 100 meter spill boom

TSUNAMI EARLY WARNING SYSTEM







SECURITY

- 24/7 manned gates and fenced perimeter for controlled entry and exit
- Law Enforcement Department, consisting of 911
 police and traffic officers, harbor and mobile
 patrols, mounted police, and forest rangers, inter
 alia

SAFETY

- Fire Department
- Search and Rescue Team
- Public Health and Safety Department
- Road and traffic discipline



INTER AGENCY TASK FORCE



- A whole government approach towards emergency response
- Maximize resources, improve response time and share best practices
- Build rapport with both the public and private stakeholders





UPCOMING PORT PROJECTS AND INITIATIVES

A Port for the Next Generation



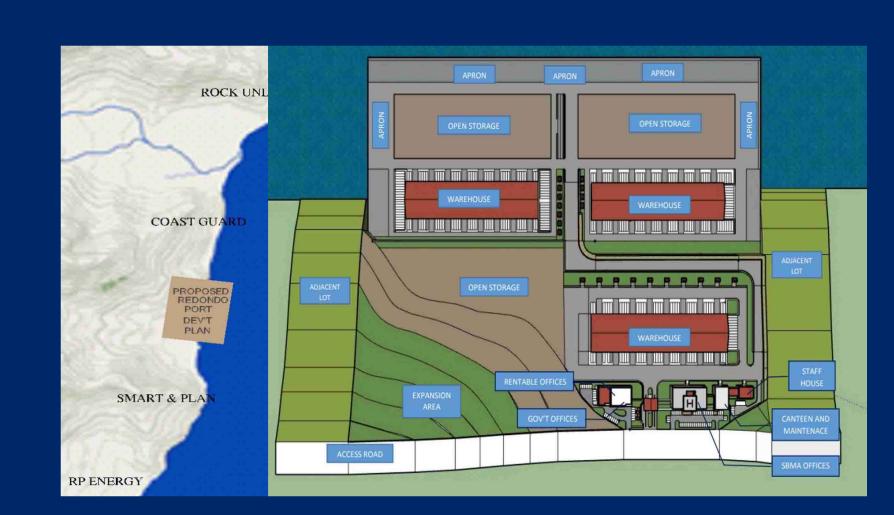
REDONDO SUSTAINABLE PORT DEVELOPMENT PLAN



CONSTRUCTION OF A GREEN MULTI-PURPOSE TERMINAL AT REDONDO PENINSULA

Quay length = 600 meters Width = 500 meters Total Area = 30 hectares Depth = 12 meters

- Construction of 600 meter wharf
- Construction of warehouses
- · Construction of admin building
- Truck parking
- Sentry gate
- Open storage
- Offices
- Facilities for workers

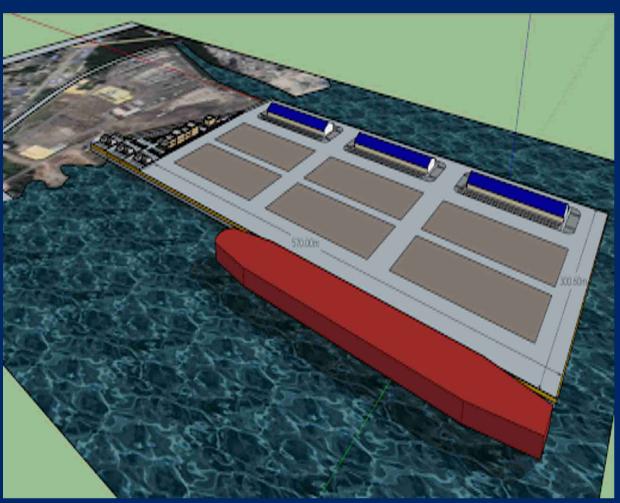


PROPOSED MULTI PURPOSE SMART TERMINAL AT LOWER MAU

Quay length = 570 meters Total Area = 17.2 hectares Depth = 14 meters

- 3,350 sqm warehouses
- 6.5 Ha back-up area
- 9,250 sqm multipurpose office compound

APPROXIMATE COST: USD 182M



NEW GENERATION CRUISE SHIP FACILITY



PHASE 1: CONSTRUCTION OF CRUISE SHIP JETTY

- Quay length = 380 m (Berth 1)
- Quay length = 350 m (Berth 2)
- Depth = 12 m

APPROXIMATE INFRASTUCTURE COST: PHP 1.2B

PHASE 2: RECLAMATION FOR CRUISE PASSENGER TERMINAL AND CRUISE LEISURE & COMMERCIAL AREA

APPROXIMATE INFRASTUCTURE COST: PHP 9B



THE 1ST PHILIPPINE PORT WITH SHORE POWER CONNECTION







UPGRADING OF OIL SPILL EQUIPMENT











DIGITALIZATION PROJECTS



1. Port Community
System (PCS)

2. Digital Twin

3. Private 5G
Network for Ports

4. Specialized Drones





CARBON NEUTRAL ZONE



- SBMA will reduce greenhouse gas emissions and bring it to zero balance within 16 years under a program to make Subic the country's first carbon-neutral economic zone.
- SBMA's pledge for carbon neutrality was made in support of the government's 2021 commitment to the Paris Agreement on Climate Change for a 75% reduction of greenhouse gases under the first nationally-determined contribution.



ENVIRONMENTAL PROTECTION & RESILIENCY AS A WAY OF LIFE **Beyond Port Operations**

COASTAL CLEAN UP



- A regular initiative that brings the whole freeport community together.
- Led by the SBMA together with residents, locators, schools and employees.



A SUPPORTING COMMUNITY







MARAMING SALAMAT