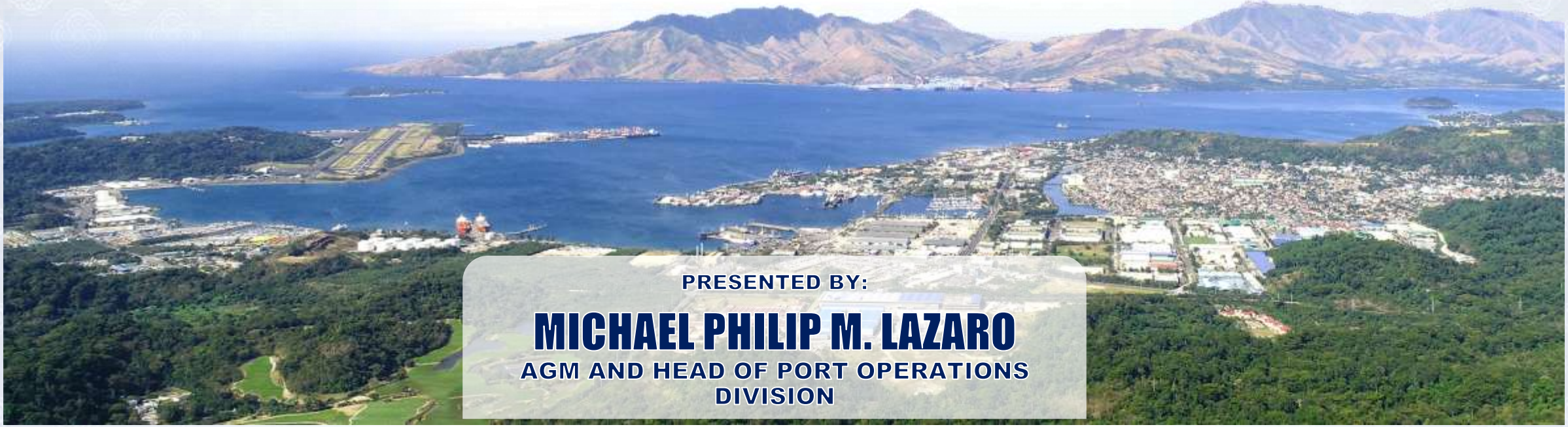
SUBIC BAY METROPOLITAN AUTHORITY

BAGONG PILIPINAS

TAIWAN-PHILIPPINES SMART PORT COOPERATION

BUILDING A SECURE, RESILIENT AND SUSTAINABLE MARITIME HUB



PRESENTED BY:

MICHAEL PHILIP M. LAZARO

AGM AND HEAD OF PORT OPERATIONS DIVISION

HISTORY OF SUBIC BAY

Spain discovered Subic Bay's natural deep harbor and soon built a naval fortress.

1800s

Spanish Naval Station

1898

After the Spanish-American war, US Forces took control of the Spanish naval facility.

1909

The US Navy selected Subic Bay as a repair and supply depot.

Subic during WWII

1942

The Japanese occupied Subic.

1947

The RP-US Military Bases Agreement

1951

The famous "Seabees" started construction of the Naval Base Station.

1992

Turnover of Subic to the Phil. after the Senate rejected the extension of the Treaty and Mount Pinatubo erupted.

1800 1992

SBMA VISION AND MISSION

SBMA CHARTER

HON. ENGR. EDUARDO JOSE L. ALINO.
CHAIRMAN AND ADMINISTRATOR

Since its inception in 1992, the Subic Bay Freeport has become one of the country's premier showcases for economic development, a symbol of pride for every Filipino, and one of the most successful models of military base conversion in the world.

Republic Act 7227

The SBMA shall promote the Subic Special Economic Zone into a self-sustaining, industrial, commercial, financial and investment center to generate employment opportunities in and around the zone and to attract and promote productive foreign investments.

WHY SUBIC BAY? COMPETITIVE ADVANTAGES

- Deep, typhoon-sheltered harbor
- terminals and existing port infrastructure
- Skilled maritime labor and access to regional routes

GLOBAL TRENDS

- Smart automation
- Green technology
- Integrated trade corridors
- Supply chain resilience

Source:https://www.polestarglobal.com/resources/green-shipping-corridors/

Source: https://ware2go.co/articles/supply-chain-resilience/

SMART PORT EVOLUTION

- AI-driven operations
- Digital twins
- Automated terminals
- 5G Networks
- Specialized Drones

GREEN PORT IMPERATIVES

- Renewable energy at core
- Smart, digitalized port operations
- Shore power & electrified logistics
- Circular economy & sustainable urbar development
- Cleaner air, healthier communities

Examples: Rotterdam, Los Angeles, Singapore, Kaohsiung

Source:https://www.desapex.com/blog-posts/green-ports-charting-a-sustainable-course-for-maritime-trade

TAIWAN PORTS CASE STUDY

- Kaohsiung Smart Port
- 5G-enabled operations
- Automated yards
- Customized GHG inventory assessment and verification
- Port specific carbon reduction blueprint

Source https://www.wsp.com/en-hk/projects/decarbonisation-blueprint-for-taiwan-ports

Source: https://www.porttechnology.org/news/port-of-kaohsiung-lays-out-terminal-expansion/

PORT OF SUBIC BAY TODAY

- Strategic Luzon gateway
- Industrial and logistics zones
- Multi-purpose terminals

1,877 LOCATORS

167,878 FREEPORT ZONE WORKFORCE

PHP 593.87B TOTAL FOREIGN AND DOMESTIC INVESTMENT

PHP 4.26B OPERATING REVENUE IN 2024

as of June 2025

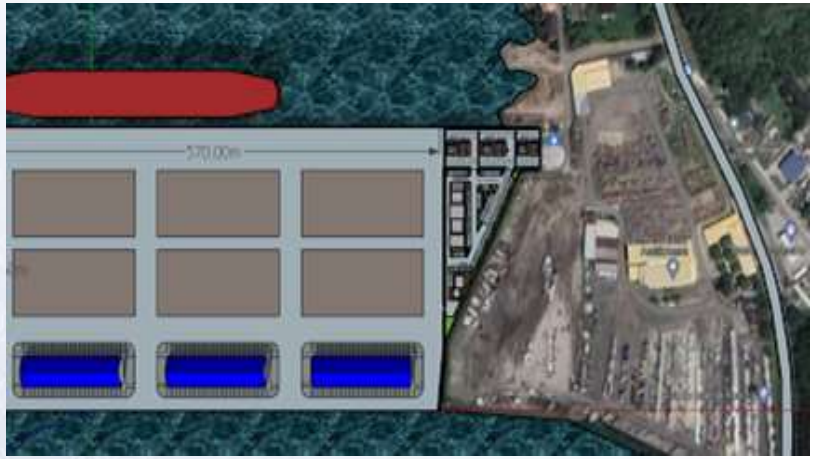
SUBIC BAY METROPOLITAN AUTHORITY

INFRASTRUCTURE PROJECTS

PORT EXPANSION PLANS

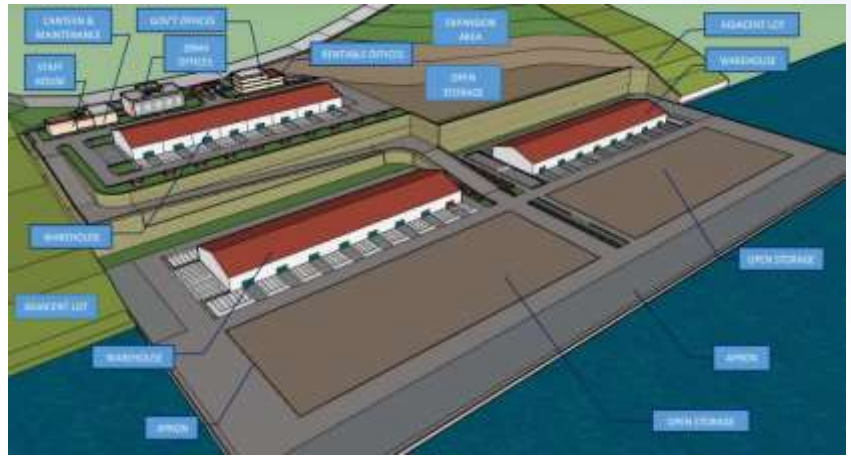
Shore Power Connection for Carbon-Neutral Ports

Aims to cut air pollution from ships at berth by 95% in line with the International Maritime Organization's Carbon Neutral Ports to combat climate change, setting out the future vision for international shipping



Lower Mau Multi-Purpose Port

Additional 2.5 million metric tons bulk cargoes capacity



Redondo Peninsula Port Terminal

Additional 3 million metric tons cargoes capacity

Redondo Link Bridge

NEW CRUISE SHIP BERTH

CONSTRUCTION OF NEW CRUISE SHIP FACILITY

Phase 1: CONSTRUCTION OF CRUISE SHIP JETTY

Quay Length = 380 meters (Berth 1)

350 meters (Berth 2)
Depth = 12 meters

Approximate Infrastructure Cost: PHP 1.2B

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

Approximate Infrastructure Cost: PHP 9B

PROPOSED SUBIC BAY CRUISE SHIP TERMINAL

CRUISE SHIP TERMINAL ALONG WATERFRONT ROAD

Phase-1: Construction of double berth 380 and 350-meter jetty with a depth of 12 meters.

Phase 2: Reclamation of 20 hectares. Construction of Cruise Passenger Terminal, Area for Cruise related businesses, Public Park/ Esplanade, Amusement Park, Shopping and Dining Centers.

PROJECT COST	TIMELINE
₱1.2B* (Phase-1)	2026-2027
₱8.96B* (Phase-2)	2028-2030

*Costing as of Dec. 2023

IMPACT

International and local cruise operations shall greatly benefit local and national economies, including job creation, revenue from port fees and dues, and increased tourism spending.

VISION: TO MAKE SUBIC BAY A HOME PORT FOR CRUISE SHIPS

US TO SET UP ECONOMIC CORRIDOR ON PHILIPPINE MAIN ISLAND WITH JAPAN HELP

President Marcos Jr. said the project will intensively focus on key infrastructure such as ports, railways, clean energy, and semiconductor supply chain connecting Subic Bay in Zambales, Clark in Pampanga, Manila, and Batangas.

SUBIC-CLARK-MANILA-BATANGAS RAILWAY SYSTEM

Tuguigarao City, Cagayan

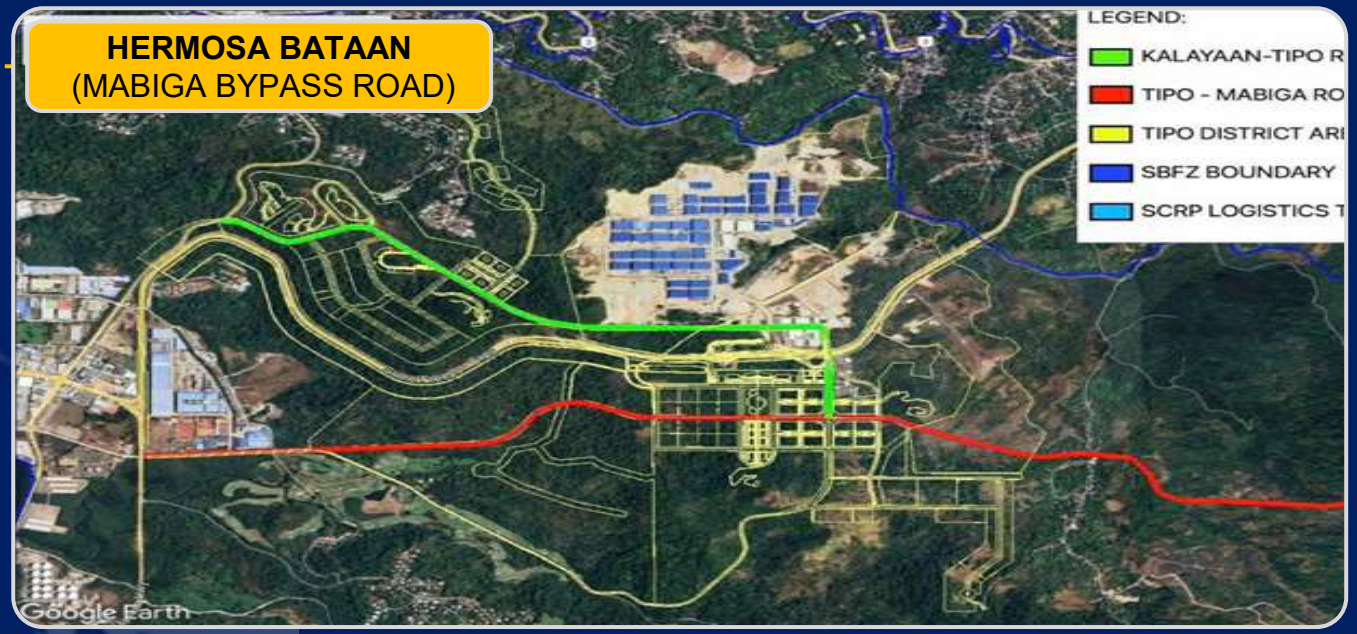
San Fernando La Union

CLARK PAMPANGA

SUBIC BAY ZAMBALES

BATANGAS

HERMOSA BATAAN
(MABIGA BYPASS ROAD)



SUBIC BAY INTERNATIONAL TERMINALS
An ICTSI Group Company

SBITC LIST OF SHIPPING LINES

Major Carriers

CMA CGM
COSCO SHIPPING
EVERGREEN
MAERSK LINE
msc
ONE OCEAN NETWORK EXPRESS
SINOTRANS
SITC
T.S. LINES LTD.
WAN HAI LINES LTD. WE CARRY, WE CARE.

Co-loaders

ESL
CNC
RCL
HMM HYUNDAI MERCHANT MARINE CO., LTD.
OOCL
ASL
PIL
新鑫海航运有限公司 New Golden Sea Shipping Pte. Ltd.
SAMUDERA SHIPPING
MCL
YANG MING
Hapag-Lloyd
CULINES
ACL
ZIM
X-PRESS FEEDERS

COST OF DOING BUSINESS

SEAPORT

Competitive compared to other areas

LABOR

US$8.95 per working day

RENTAL

US$3-6 per sq. m.

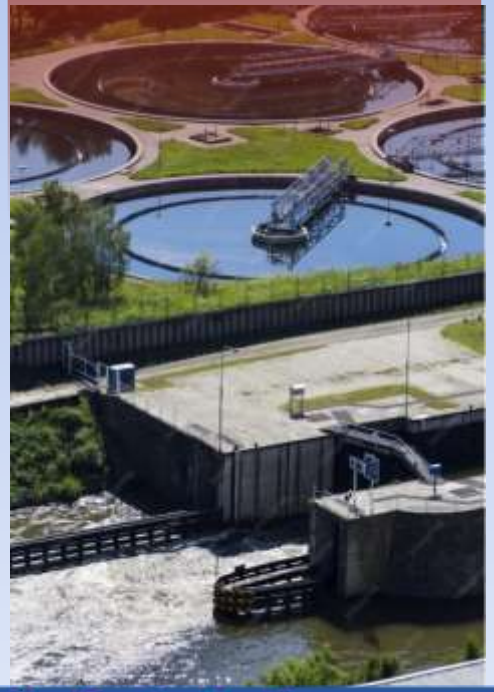
POWER

US$0.14 per kWhr

WATER

US$12.41 (Standing) + USD 1.33/ cu. m.

For commercial establishment with above 501 cu.m. consumption



COMPARATIVE ADVANTAGES

- Subic: Freeport incentives, location, deep harbor
- Taiwan's Ports: Technology, high-volume port systems

SUBIC BAY METROPOLITAN AUTHORITY

TIPC
臺灣港務股份有限公司
TAIWAN INTERNATIONAL PORTS CORP., LTD

RATIONALE FOR COOPERATION

- Complementary strengths
- Shared economic interests
- Technology + location synergy

Source: https://www.bworldonline.com/opinion/2022/08/02/465532/closer-economic-ties-with-taiwan-1/

COOPERATION AREA 1: DIGITALIZATION

- Port community systems
- Cybersecurity links
- Predictive scheduling

Source: https://www.connecta-network.com/the-role-of-major-global-ports-in-sustainable-logistics/

COOPERATION AREA 2: GREEN PORTS

- Emissions reduction plans
- Joint green fuel ecosystem

Source: https://www.connecta-network.com/the-role-of-major-global-ports-in-sustainable-logistics/

COOPERATION AREA 3: CONNECTIVITY

- Create scheduled Subic–Taiwan feeder loops to serve intra-Asia trades
- Transshipment partnership
- Coordinate slot sharing and vessel rotation to reduce bottlenecks

Source: https://ss.shipmentlink.com/tvs2/jsp/TVS2_ServiceProfile.jsp?line=TMS

COOPERATION AREA 4: BUNKERING, MRO, AND SUPPLY-CHAIN SERVICES

- Ship repair synergy
- Offshore wind vessels

Made in Taiwan: Green Jade WTIV delivered to Deme. (Foto: Deme)

Source:https://www.jandenul.com/our-projects/offshore-windfarm-changhua-taiwan

SUBIC DRYDOCK CORPORATION

COOPERATION AREA 5: SECURITY & RESILIENCE

- Joint Emergency Response

- Vessel Traffic Management System (VTMS) Enhancement

COOPERATION AREA 6: WORKFORCE TRAINING & TECHNOLOGY EXCHANGE

- Training exchanges (safety, automation ops, green port skills)
- Joint R&D programs
- Capacity Building for Port Professionals and Technicians
- Eliminating Illicit Trade

COOPERATION AREA 7: CRUISE, TOURISM & PASSENGER LINKAGES

- Develop Subic as an alternative cruise port for Taiwan–Philippines itineraries
- Joint tourism packages leveraging Subic's attractions and Taiwanese markets

SUBIC–TAIWAN ECOSYSTEM

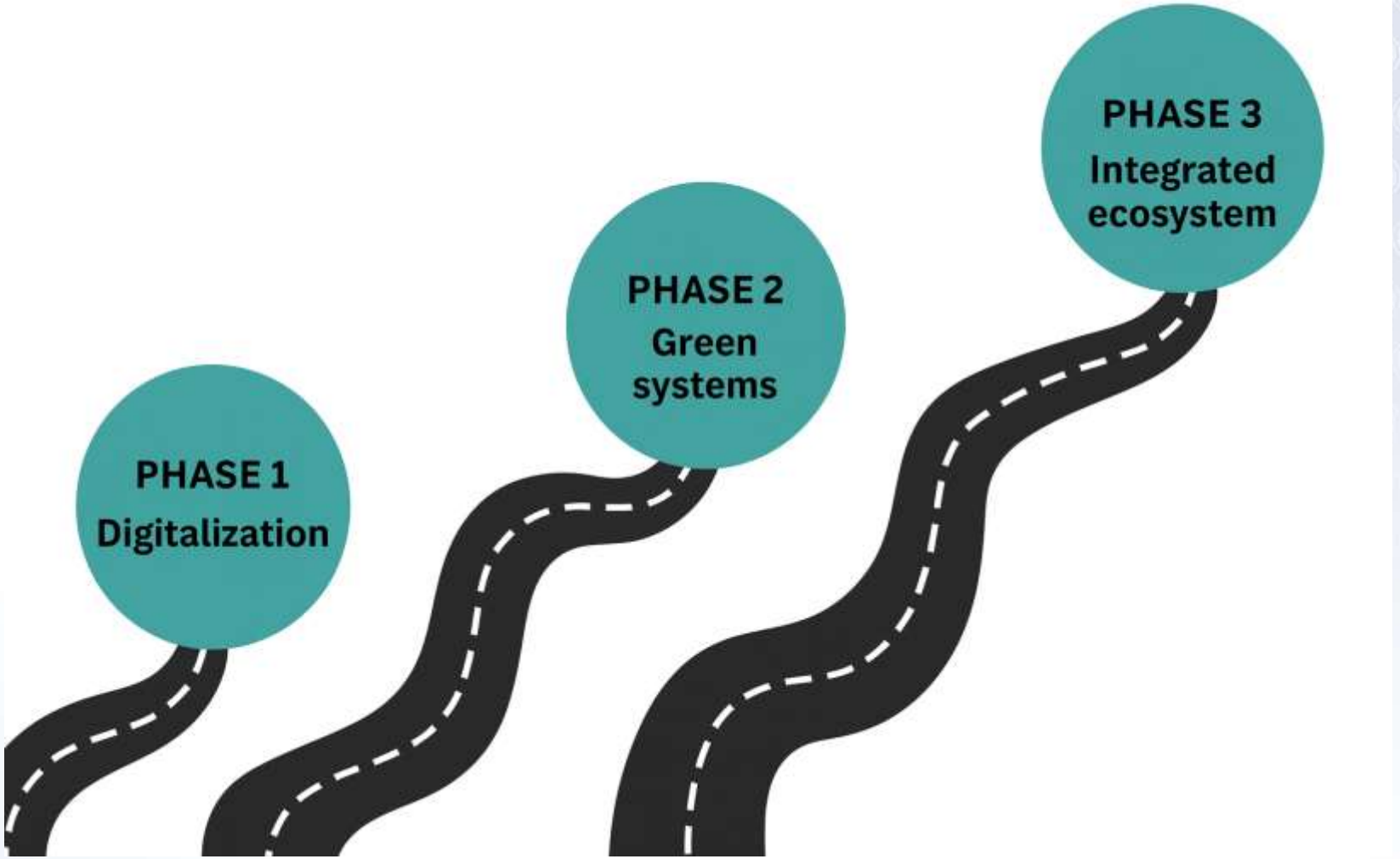
- Data-linked operations
- Coordinated vessel scheduling
- Increase in Investments
- Trade Corridors
- Joint Investment Promotions
- Technology Transfer

ECONOMIC IMPACT

- Trade growth
- Jobs and investment
- Infrastructure uplift

2035 ROADMAP

- Phase 1: Digitalization
- Phase 2: Green systems
- Phase 3: Integrated ecosystem



SUBIC BAY FREEPORT

YOUR GREEN PORT CITY AND HUB FOR SHIPBUILDING, SHIPYARD, LOGISTICS AND COMMERCIAL PORT OPERATIONS

For questions, suggestions and comments: mpmlazaro@sbma.com