



**Asia-Pacific
Economic Cooperation**

2024/TPTWG/MEG/TM1/007

Agenda Item: 3.5

Green Port Development

Purpose: Information
Submitted by: Thailand



**Thematic Session on Supporting the
Identification and Integration of New
and Emerging Smart and Sustainable
Maritime Technologies and Services**

4 April 2024



Asia-Pacific
Economic Cooperation

Green Port Development

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Content

- **Thailand's low-carbon policies within the transport sector**
- **Overview of Port Authority of Thailand**
- **Sustainable Efforts for Low-Carbon Port**

01

THAILAND'S LOW-CARBON POLICIES WITHIN THE TRANSPORT SECTOR

Thailand Low-Carbon Policy in the transport sector

Thailand's 20-Year National Strategy (2018-2037)

13th Thailand National Economic and Social Development Plan (2023-2027)

Thailand Transport Development Strategic Plan 2018-2037

carbon neutrality in 2050, and Net Zero Emission in or before 2065.



02

PORT AUTHORITY OF THAILAND BUSINESS OVERVIEW

5

Ports under
governance of PAT

Port Authority of Thailand (PAT) Laem Chabang Port



21st

by throughput in 2022
8.73 Mil (teu)



27th

the rankings of container port
performance in the CPPI 2022



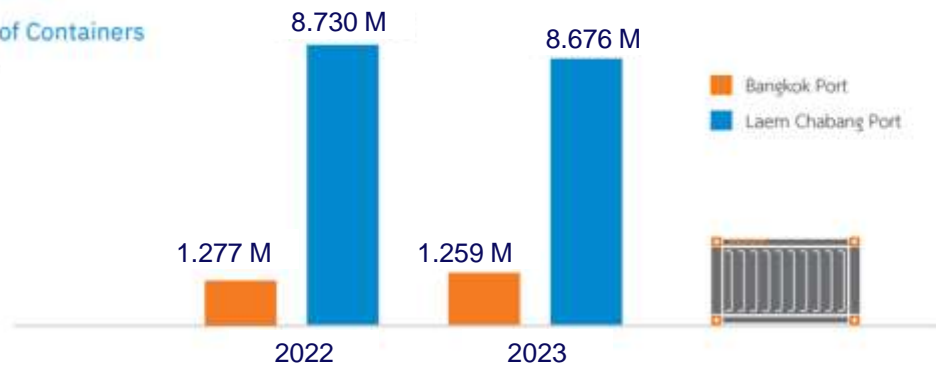
2505.93 acres

LCP covers an area

Vessels and Cargoes Statistics

at Bangkok Port and Laem Chabang Port

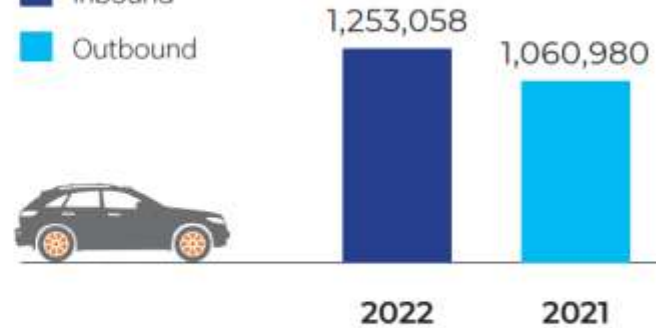
Number of Containers
(Unit: TEUs)



Number of Vehicles

(Unit: Units)

Inbound
Outbound



18 million TEUs

The handling capacity
when Laem Chabang
Port Phase 3 is
completed.

VISION

TO BE WORLD CLASS PORT
WITH EXCELLENT LOGISTICS SERVICES
FOR SUSTAINABLE GROWTH IN 2030

MISSION



WORLD CLASS
PORT



INTERMODAL
TRANSPORT



UTILIZATION
OF ASSETS



HIGH-PERFORMANCE
ORGANIZATION



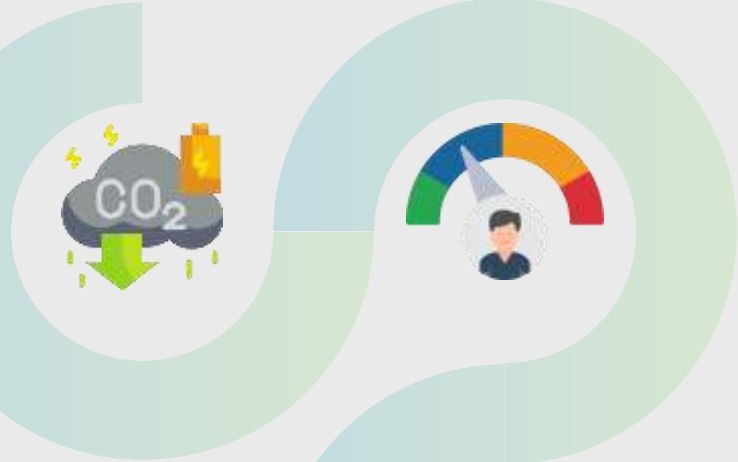
TRUST &
ACCEPTANCE

LEADING SUSTAINABLE PORT

Greening our way forward with Decarbonization, Development and Dynamic Collaboration

Decarbonization :

Manage carbon in the ports by applying BCG model



Development :

Embed carbon neutrality practices in operation and value chain



Dynamic Collaboration:

Engage with supply chain to reduce emission associated with our business activities



**Decline carbon by 10% by 2030
Carbon neutrality by 2050**

03

SUSTAINABLE EFFORTS FOR LOW-CARBON PORT

PROMOTING THE USE OF RENEWABLE ENERGY WITHIN THE PORT AREAS



USING AND UPGRADING
ENERGY EFFICIENCY
EQUIPMENT AND
PROMOTING ENERGY
SAVING CLEAN ENERGY



DEVELOPMENT PROJECT
OF
LAEM CHABANG PORT
PHASE 3
(GREEN CONCESSION)



TO ENHANCE PORT SERVICE CAPACITY WITH DIGITAL TECHNOLOGY



Container Search	
ประเภทตู้	CAALU6308589
ประเภทตู้	FCL - Import
ขนาดตู้	40' 9W'
ชื่อเรือ	STELLAR WINDSOR BKP
หมายเลขตู้	21108
สถานะตู้	-
จำนวนตู้	8/ตู้
จำนวนตู้	140886
สถานะตู้	-
วันที่รับ	12



ENVIRONMENTAL MANAGEMENT SYSTEM

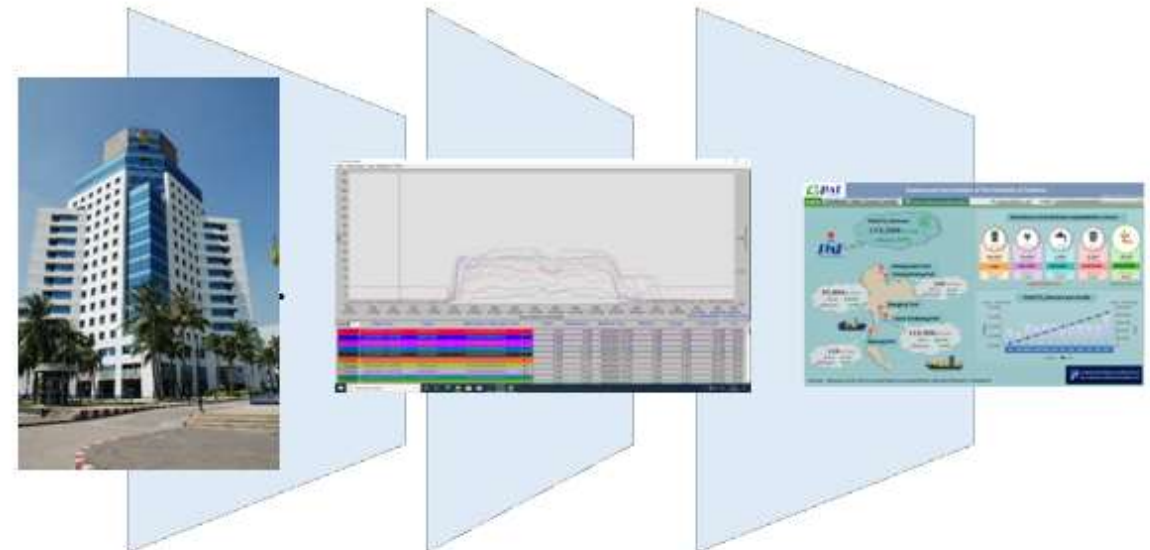
Data management system



Fuel Card management system

10

Internet of Thing (IOT) sensor in Office building



EXPANDING GREEN AREAS



ACHIEVEMENT



THANK YOU

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