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INDUSTRY REVOLUTION

in Maritime Perspective

Investment & Technology

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ports & logistics

Port of Tanjung Pelepas (PTP) Part of Industry Revolution

Container Terminal (Phase 1 & 2)



Free Zone Phase 1



Free Zone Phase 2



PTP a Regional Transshipment Hub for Southeast Asia



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PTP OVERVIEW

2
Strong Shareholder

3
Core Businesses

60
Government Concession

110
Million TEU Handled

2000
Commenced Operation

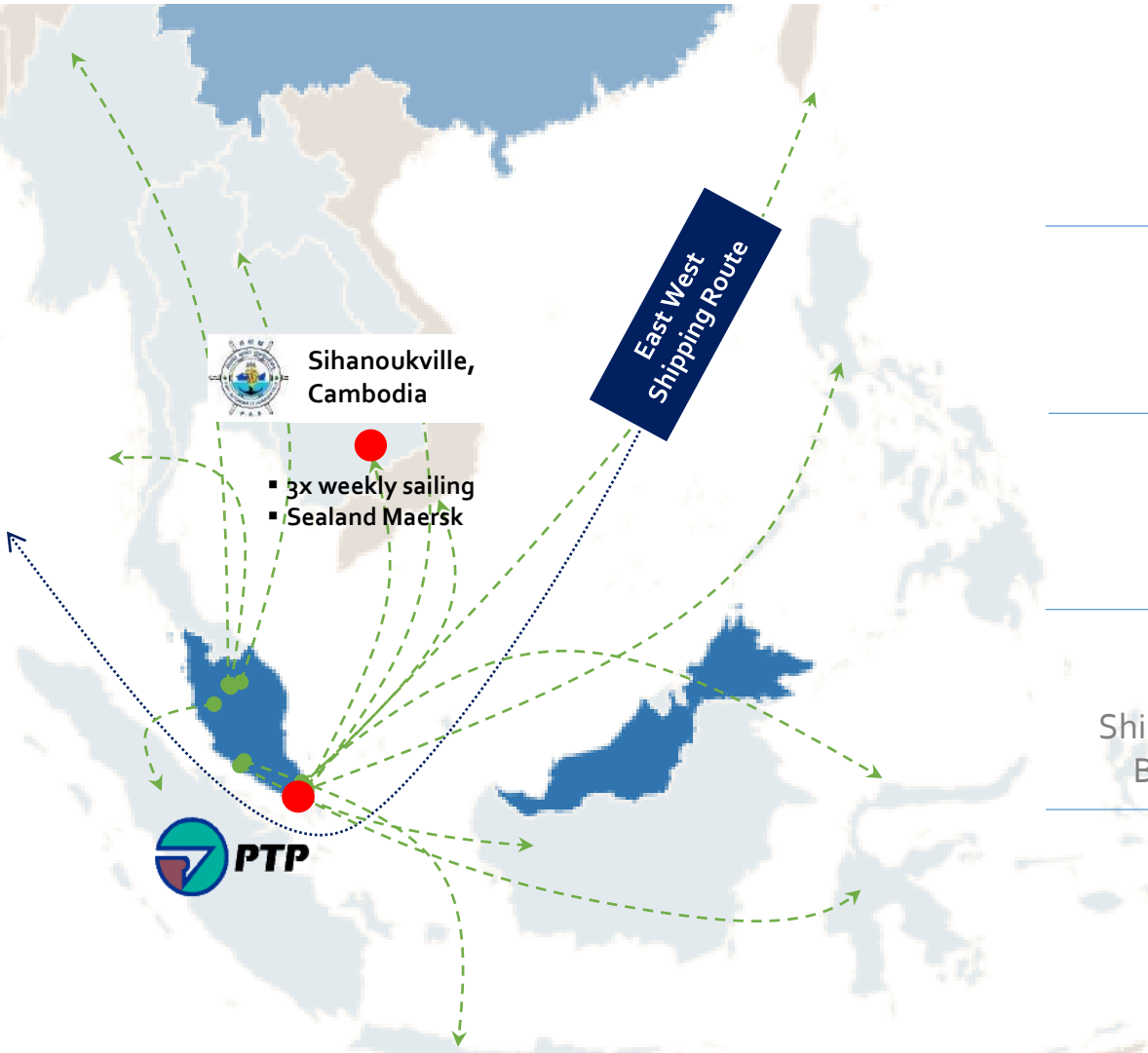
18
World Ranking

30
Shipping Lines & Box Operators

300
Port Calls

1998
Free Zone Authority

3,500
Acres For Container Terminal & Free Zone




Existing Footprint of 12.0 mil TEUs Terminal Infrastructure...our Transformation in 24 months




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2020 10 x RTG
On-order




2020 8 x EEE QC
On-order



2017 7 x IMPSA-A
Refurbished




2018 8 x EEE QC
Delivered




2017 9 x QC's
Relocated



2017 7 x IMPSA-A
Disposed/Sold



2018 2 Berths
Upgraded



2020 -18.5m draft
Dredged

PHASE 1
2.160m of quay, 26 QC's,
max (design) depth 16.5m

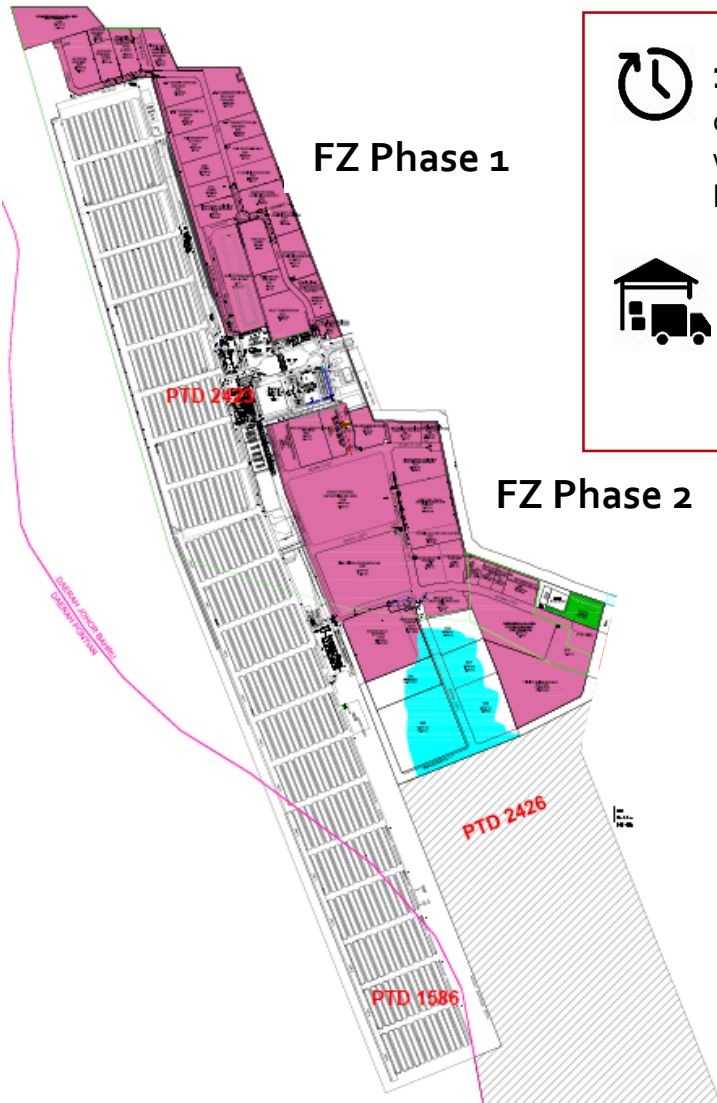
 USD262 mil
invested

PHASE 2
2.880m of quay, 32 QC's,
max (design) depth 19.5m

Creation of Own Based Load Cargo via PTP Free Zone -Dynamic & Integrated within Terminal Ecosystem-



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15 years fully occupied by various warehouse and logistics operators

Creation of more than **15,000 workers**

Volume Up To **100,000 TEUs** Per Annum

6.5 million square feet of warehousing space

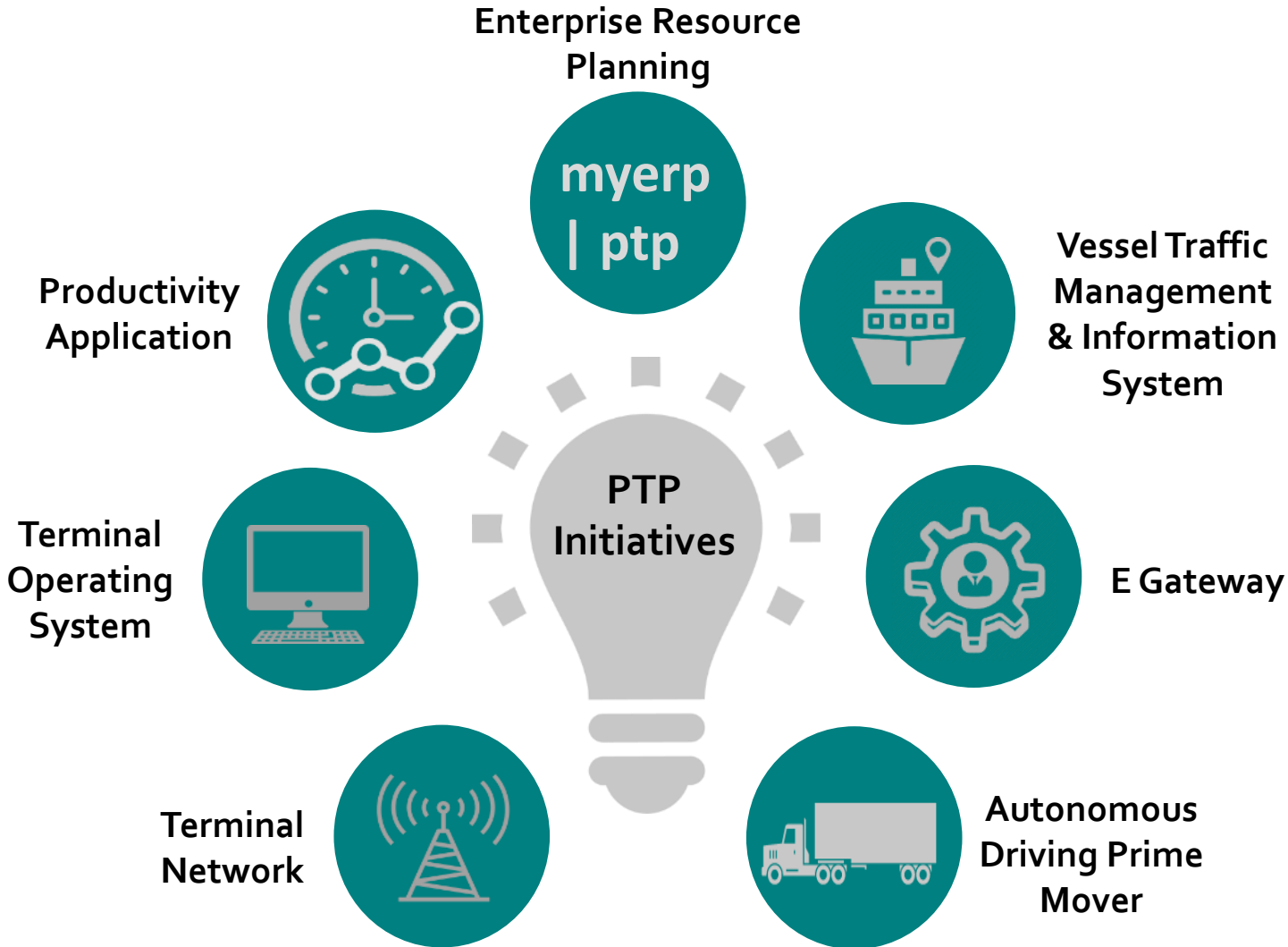
RM2.8 billion investment

Over **40** international and local companies



Port of Tanjung Pelepas (PTP) Gearing Towards Digitalization and Automation

PTP Digitalization & Automation Initiatives



Upgrading of LTE 4G Terminal Network



Terminal wide wireless broadband mobile network upgrade that support and connects operational devices .

- fast, stability, reliable and secured connectivity
- deliver operational improvement on existing applications and make feasible new applications that highly dependable with high speed network and responsive data transfer
- embracing the future of Internet of Things (IOT) for Smart Port transformation.

Navis N4 Terminal Operating System

-for future growth & greater port efficiency-



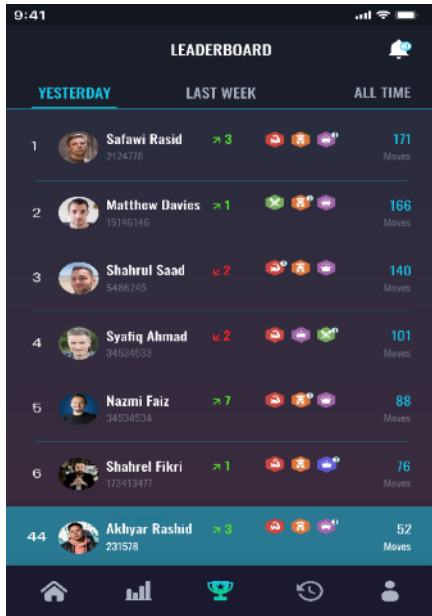
Successful implementation of new Terminal Operating System Navis N4; a modern platform that provides:

- operational scalability that supports multi-terminal visibility and control
- offer real time monitoring and management of operational activities
- enhances operational efficiency and supports future growth that benefits the workforce, customers and shareholders value
- ready platform for future port automation module

Human Capital Development

-Port Workers Productivity Application-

Blue Collar Incentive Application



- An hourly real live productivity and incentive pay-out tier
- To encourage monetary performance delivery.

Enterprise Resource Planning (ERP) Transformation

myerp | ptp



MAIL BOT

Enable users to transact with the application by just sending an email.

HUB IT

One screen does it all concept built to address all activities of a user.



THUMB IT

Mobility feature where the system presents users with option to choose rather than type values.

PROMPT IT

A cognitive ability which will let the system complete the transaction and prompts the user for approval.

- Empowering digital strategy effort, enhancing operational efficiency and supplementing growth of industry
- Comprehensive single ERP suite comprising of various scope
- Focus is on usability, awareness context, mobility, flexibility and functionality to enable smooth transaction amongst the users

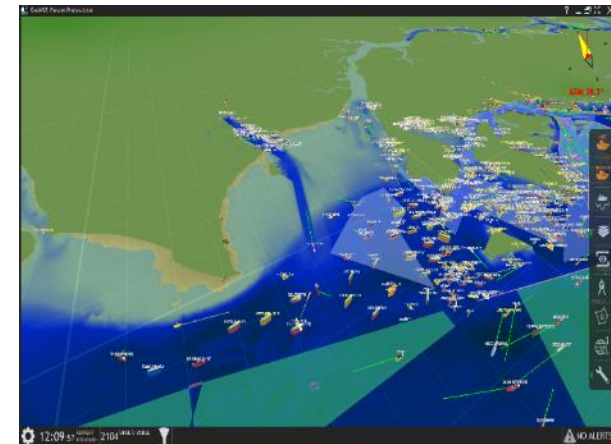
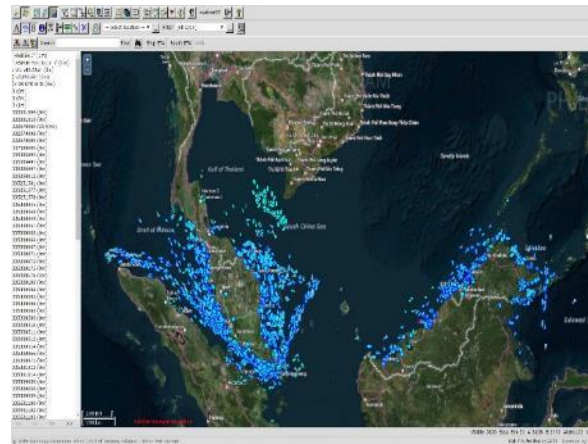
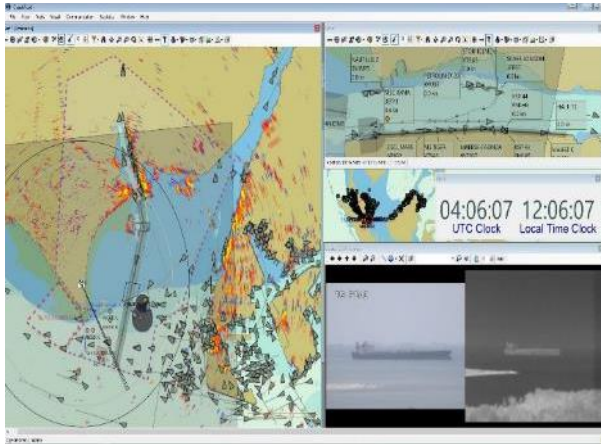
Vessel Traffic Management & Information System



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Collaboration between Government Agency and Private Sector



Marine navigation under the control of PTP Marine Services:

- Improve efficiency of vessel traffic movement & safety of navigation within port approaches through hazardous area
- Continuous recording capability & communication – easy and fast access of information



Marine Resource Management System (MRMS)

- First port in Malaysia went paperless via application booking system

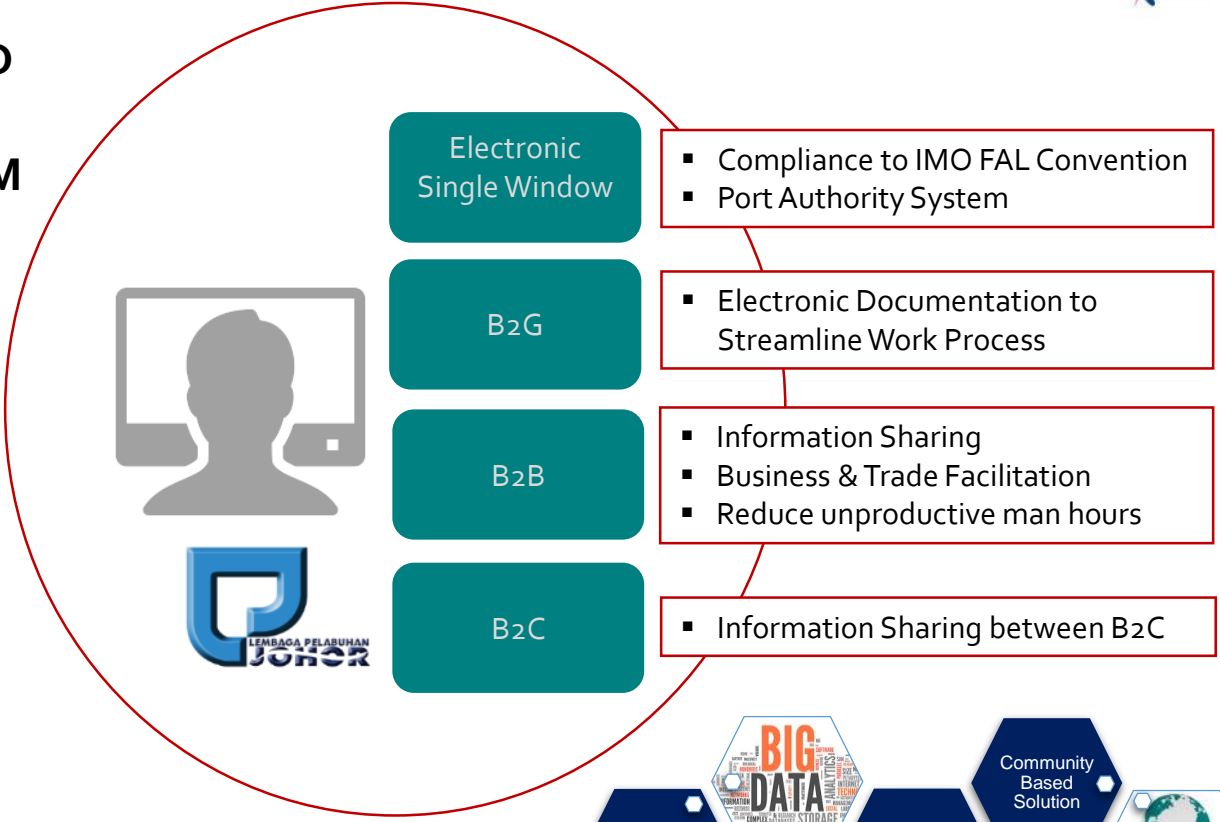
E Gateway – Smart Digital Enterprises

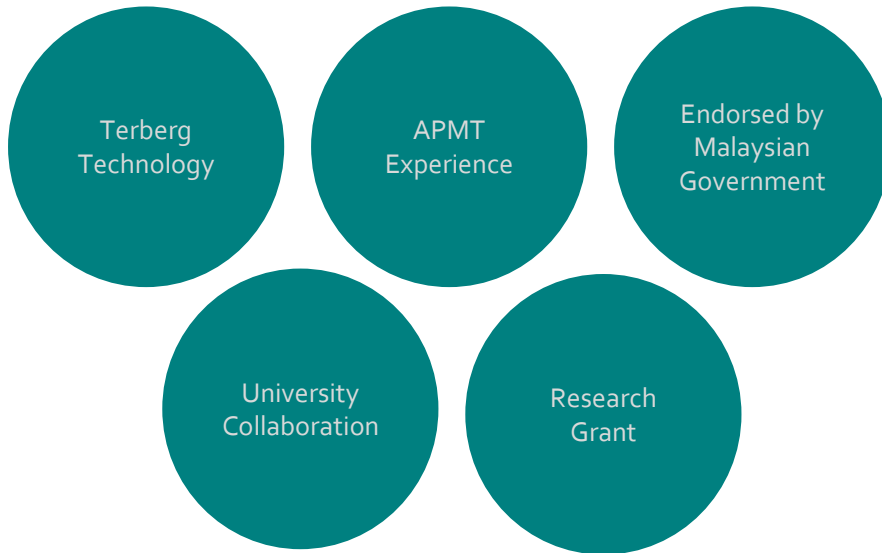
It is a **COMMUNITY BASED ELECTRONIC MARITIME SINGLE WINDOW SYSTEM**

to **FACILITATE PORT BUSINESS TRANSACTIONS**

In order to **PROMOTE GREATER EFFICIENCY** in the logistics system

and to **IMPROVE EASE OF DOING BUSINESS** at the port.





- First prototype autonomous truck driving in a S.E.A container terminal by 2023
 - ✓ Reduced dependency on foreign labour
 - ✓ Stable and consistent productivity
 - ✓ Maintain high level of safety
 - ✓ Enhancing local expertise and creation of more skilled job



Formalised the Memorandum of Understanding (MoU) on 18 June 2019.

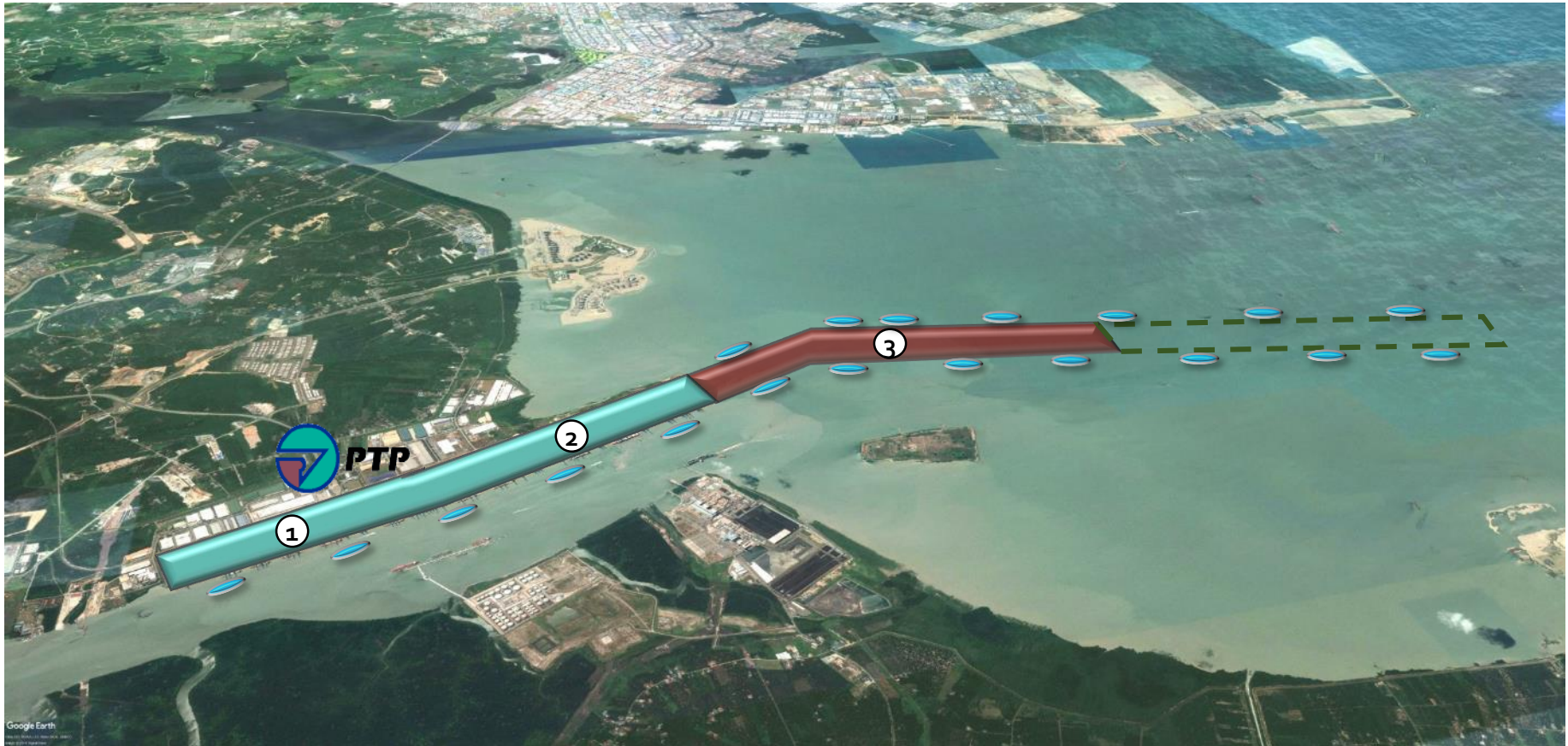


Port of Tanjung Pelepas (PTP) Next Development Plan

2019 – 2039: PTP's 20 Year Terminal Development Plan



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DEVELOPMENT PHASES	LENGTH (KM)	CAPACITY (TEUs Mil)
Phase ① & ②	5.0	12.0 ✓
Phase ③	4.5	12.0
TOTAL	9.5	24.0

Doubling
 capacity in **20** years
 to **24** mil TEU
 capacity

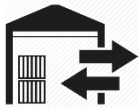
PTP Free Zone Future Phases



Future FZ3, FZ4 & FZ5



563 acres



Logistics Hub



RM3.0bil investment



> 9,000



Volume Potential
Up To 250,000
TEU S Per
Annum

Thank you



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