

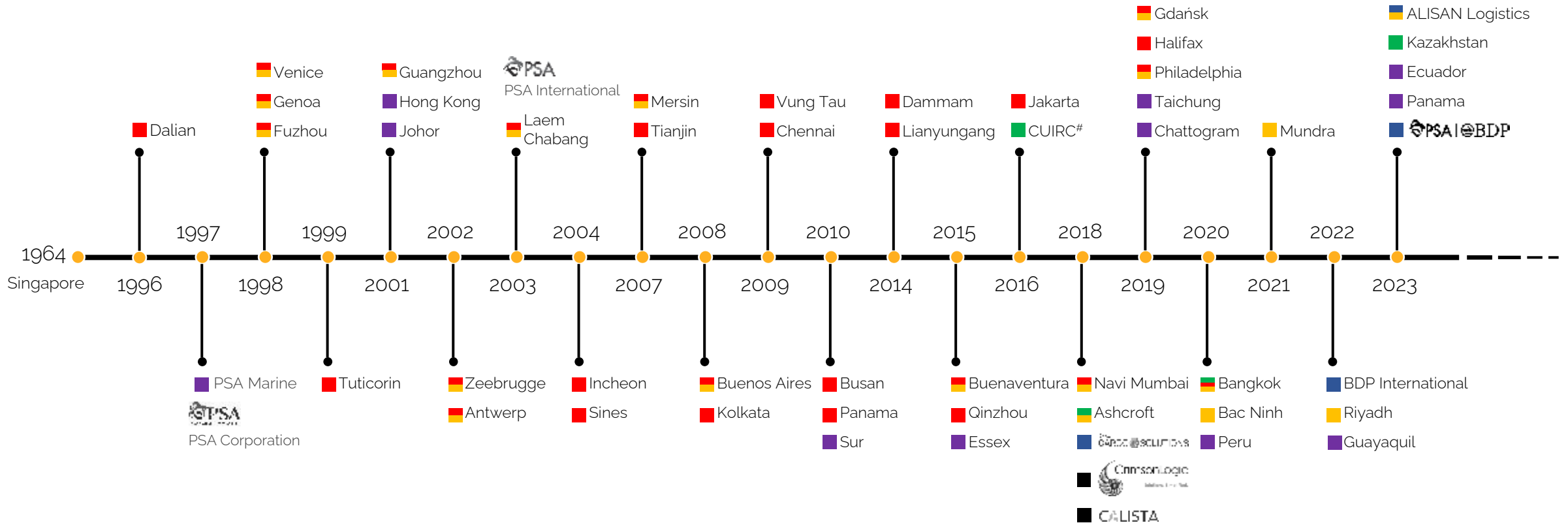


Intermodal Africa 2024
Swakopmund, 28th February
2024

Mike Formoso
Vice President
Group Business Development

PSA Milestones

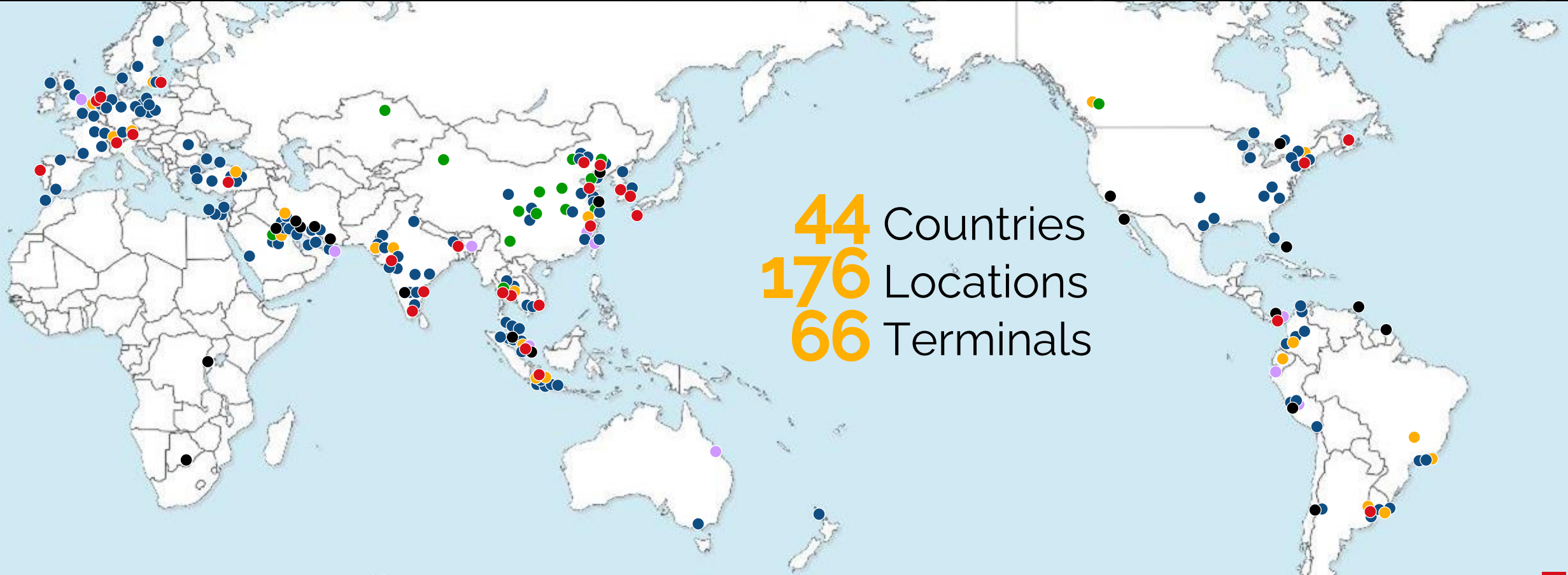
Ports and Cargo Solutions



■ Deep Sea / Coastal Terminals	■ Inland Container Depots / Container Freight Stations / Warehouses	■ PSA BDP
■ Rail / Inland Terminals	■ Marine Services	

#China United International Rail Containers Co., Limited (CUIRC) has 13 terminals in operation – in Kunming, Chongqing, Chengdu, Zhengzhou, Wuhan, Xi'an, Dalian, Qingdao, Ningbo, Tianjin, Urumqi, Qinzhou and Guangzhou.

PSA International Global Network



44 Countries
176 Locations
66 Terminals

- ASIA**
- Bangladesh
 - China
 - India
 - Indonesia
 - Kazakhstan
 - Japan
 - Malaysia
 - Oman
 - Qatar
 - Saudi Arabia
 - Singapore
 - South Korea
 - Thailand
 - Türkiye
 - UAE
 - Vietnam

- EUROPE**
- Belgium
 - Czech Republic
 - Denmark
 - France
 - Germany
 - Ireland
 - Italy
 - Netherlands
 - Poland
 - Portugal
 - Romania
 - Sweden
 - Spain
 - United Kingdom

- THE AMERICAS**
- Argentina
 - Brazil
 - Canada
 - Chile
 - Colombia
 - Ecuador
 - Panama
 - Peru
 - Uruguay
 - USA

- AFRICA**
- Egypt
 - Morocco
- OCEANIA**
- Australia
 - New Zealand

CRIMSONLOGIC

Present in 20 Countries	Implemented > 60 Projects	Digital Solutions in > 40 Countries
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Not included in PSA Global Network count

- Deep Sea • Coastal Terminals
- PSA BDP Offices
- Rail • Inland Terminals
- Inland Container Depots • Container Freight Stations • Warehouse
- PSA Marine
- CrimsonLogic

PSA International Group Highlights

\$58B

Group Revenue

Rated

Aa1

by Moody's

Present in

6 of 20

Top Global Ports

50K Staff Globally

Deep expertise in supply chain management, logistics, digital, marine services

Operating The
World's Busiest
Transshipment Hub

PSA Singapore

Two Classes of Business

Ports **86%** | **14%** Cargo Solutions

1.75M

Shipments

90.5M TEUs

1 in 10 containers passed through a PSA terminal in 2022



Your Partner
In Ports &
Supply Chains



Ports



**Marine
Services**



**Cargo
Solutions**



**Data
& Digital
Solutions**

DRIVING SUSTAINABILITY

FOSTERING INNOVATION

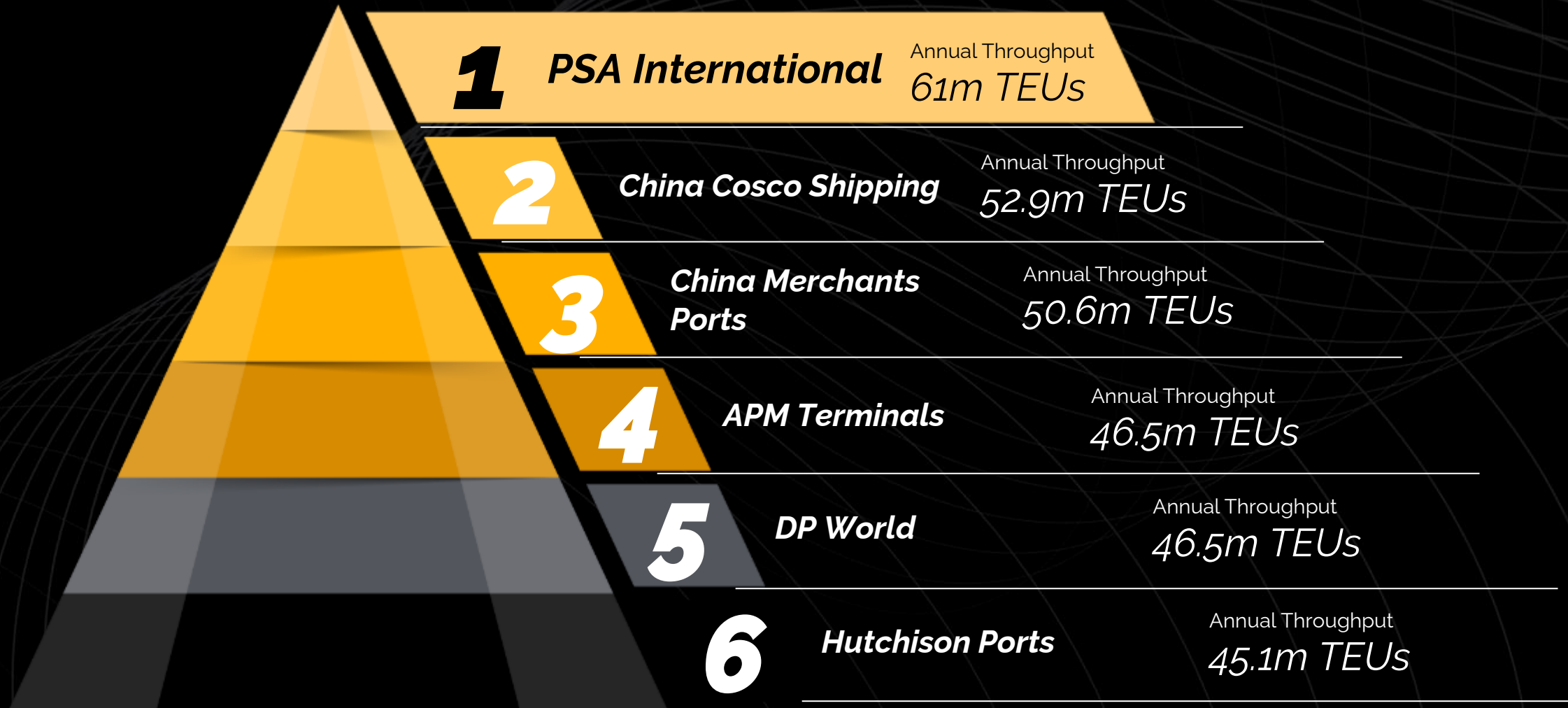
STRENGTHENING CULTURE & LEARNING

Ports



Top Global Port Operator in 2022

Based on Equity Adjusted Throughput



Credit: Drewry's Port Operator Ranking

Unrivalled Strengths



Vast Connectivity

- Enhancing connectivity to major international markets



Diverse Management Experience

- Mega-port experience and operational best practices
- Highly competent in managing complex customised end-to-end logistics and supply chain requirements



Deep Expertise in Port Development

- Optimised Port design and construction
- Investment in state-of-the-art cranes and equipment

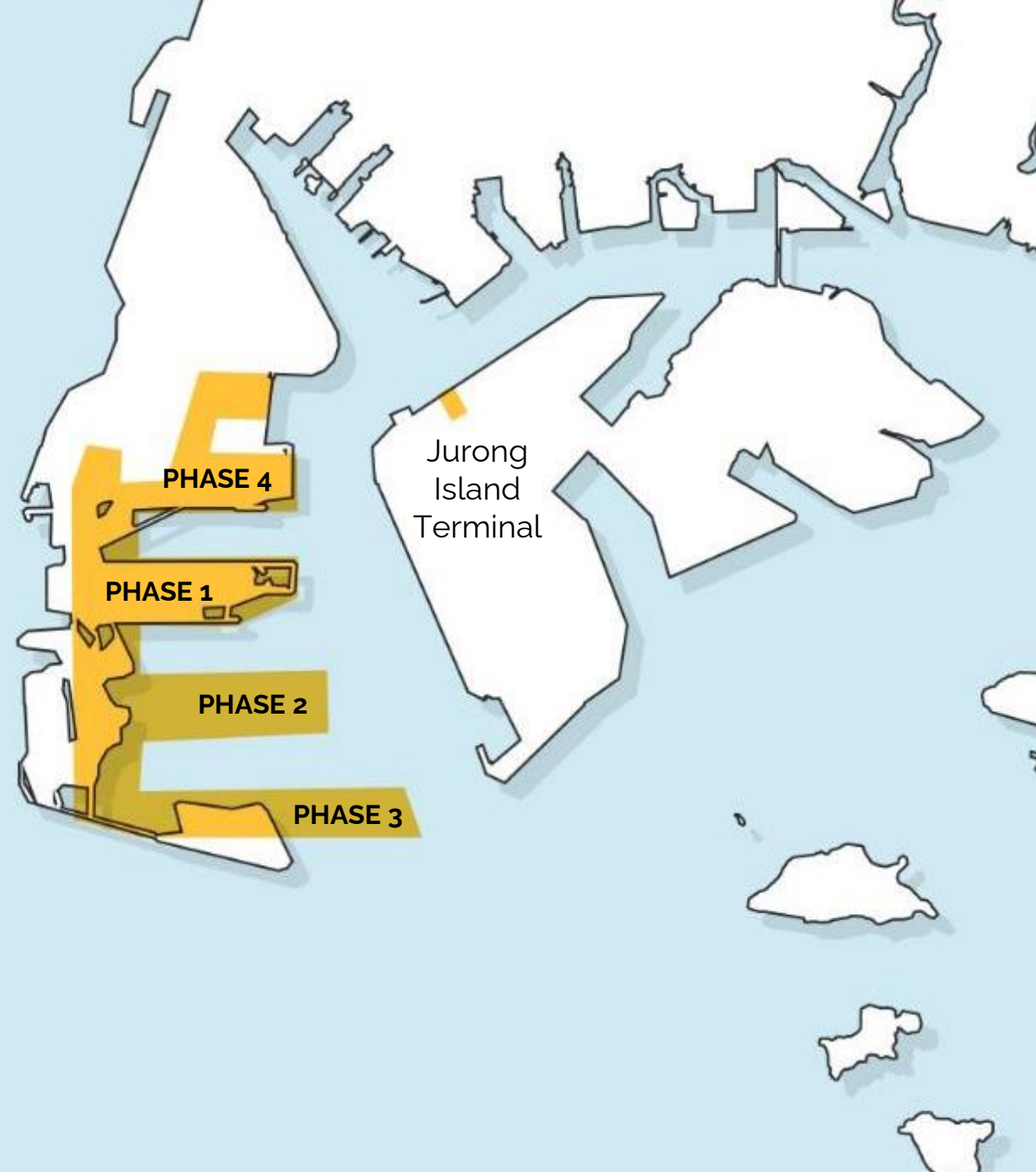


High Asset Productivity

- Leveraging on Technology and Training

Tuas Mega Port Will Handle **65M TEUs Annually by 2040s**

- Fully automated, intelligent and sustainable port
- First phase opened on 1 September 2022
- Achieved 1 million TEUs within 6 months
- 66 berths spanning 26km
- Capable of handling container ships up to 24,000 TEUs
- The nexus of a well-integrated Tuas ecosystem
- Concurrently developing [Tuas Port+ Hub](#) for efficient cargo flow



Looking Beyond Ports

To create Port+ value

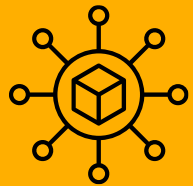


Connectivity

PSA
Genoa-Basel
Rail

PSA
Mumbai Rail

Jurong Island
Barge



Flow Centers

Keppel
Distripark

Tuas Port+ Hub
Phase 2
(Future Development)

Fuzhou
Auto DC



Services

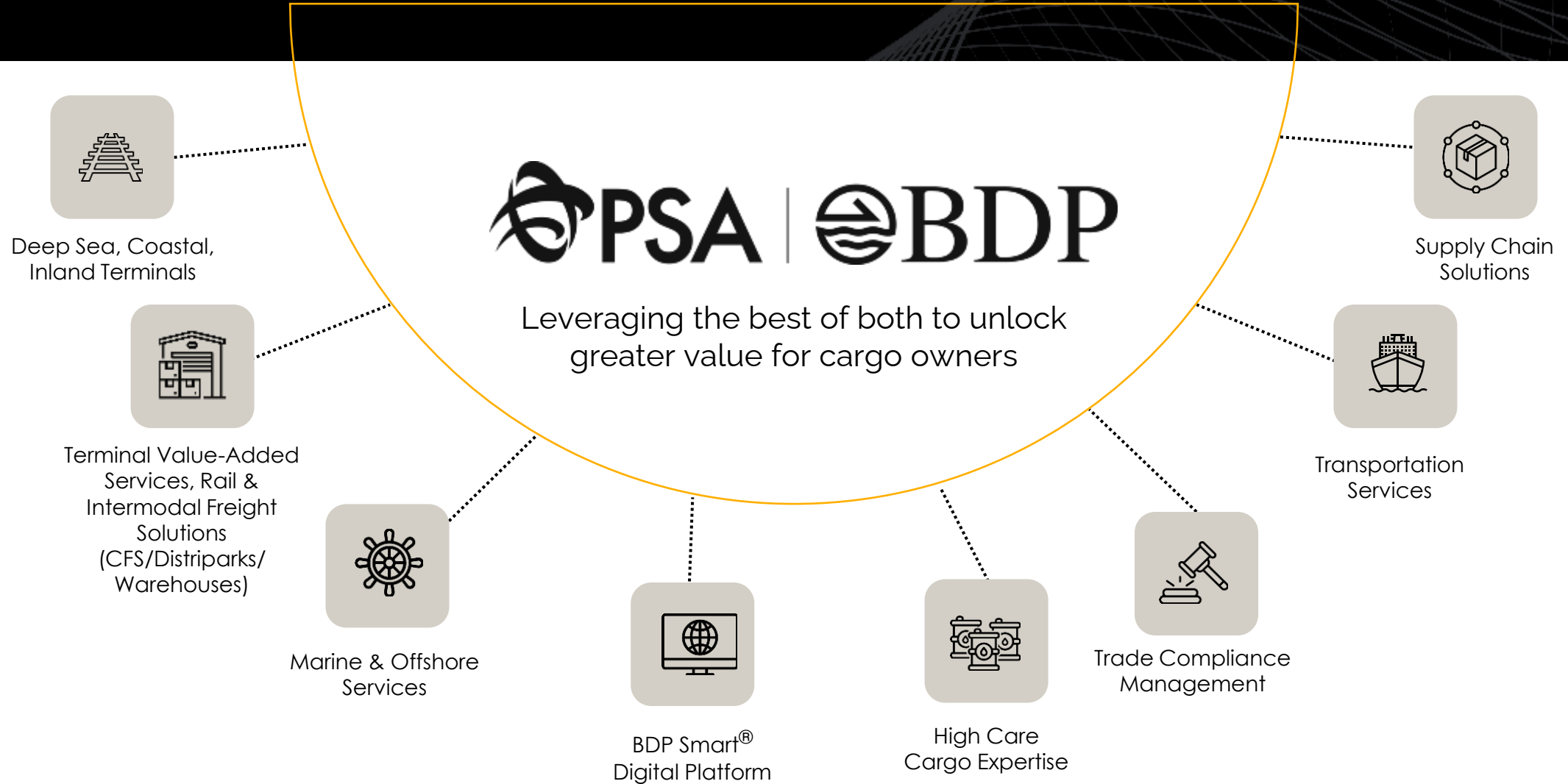
Forward
Hubbing

Reefer VAS

Priority
Discharge

Expanding PSA's Suite of Services

With PSA BDP

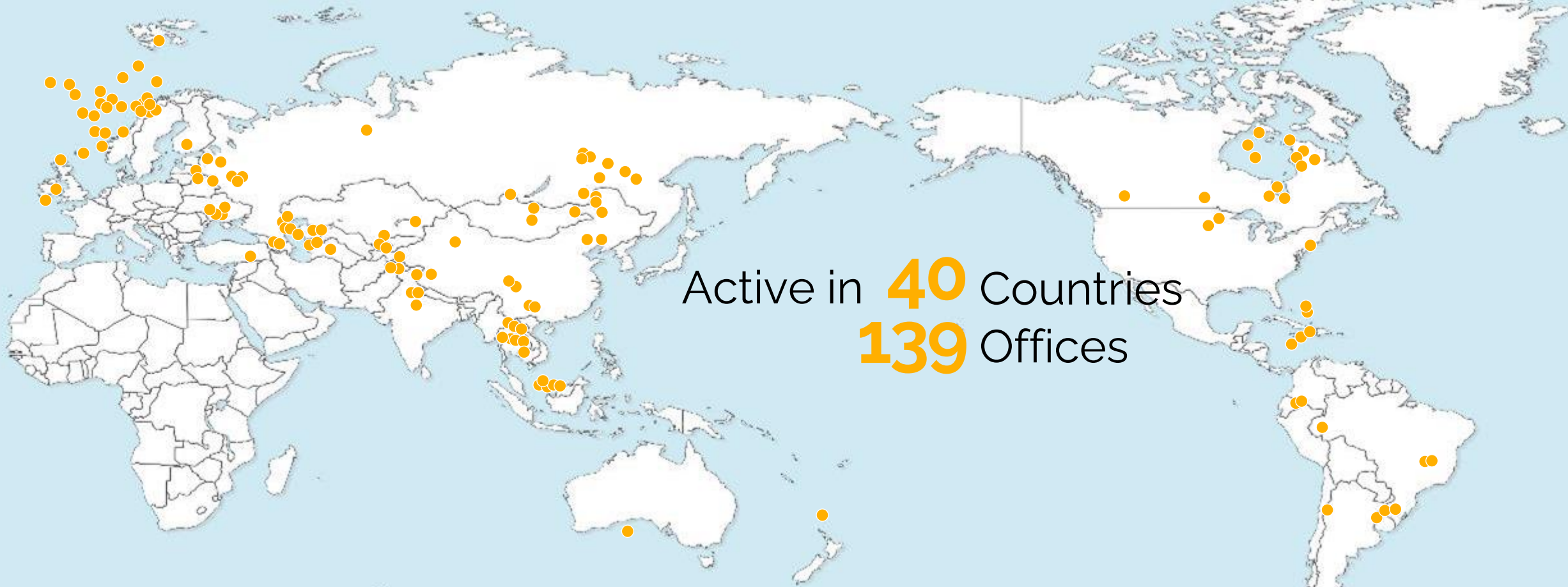


Cargo Solutions

 PSA |  BDP



PSA BDP Global Network



Active in **40** Countries
139 Offices

ASIA

China
India
Indonesia
Kazakhstan
Malaysia
Oman
Qatar

Saudi Arabia
Singapore
South Korea
Thailand
Turkey
UAE
Vietnam

EUROPE

Belgium
Czech Republic
Denmark
France
Germany
Ireland
Italy

Netherlands
Poland
Romania
Sweden
Spain
United Kingdom

THE AMERICAS

Argentina
Brazil
Canada
Chile
Colombia

Peru
Uruguay
USA

AFRICA

Egypt
Morocco

OCEANIA

Australia
New Zealand

From Cargo To Connections

Key Industries



Chemicals



**Consumer &
Perishables**



**Life Sciences
& Healthcare**



**Automotive,
Technology
& Industrial**

Made For Trade

Comprehensive Cargo Products and Solutions

PRODUCT SUITE



Supply Chain Orchestration

- Lead Logistics Provider (LLP)
- 4th Party Logistics (4PL) via BridgeNet Solutions



Transportation Solutions

- Ocean
- Air
- Road
- Rail
- Barge



Trade Management & Customs

- Regulatory Consulting
- Product Classification
- Preferential Origin
- Compliance Services
- Customs House Brokerage



Port+ & Connectivity

- Forward Hubbing
- Multimodal Logistics
- Terminal Value-Added Services
- Flow Centers



Contract Logistics

- Warehousing
- Value-Added Services
- Distribution

Proven & Trusted Partner

For Smart, Sustainable and Resilient Supply Chains

Chemicals



Consumer & Perishables



Life Sciences & Healthcare



Industrial

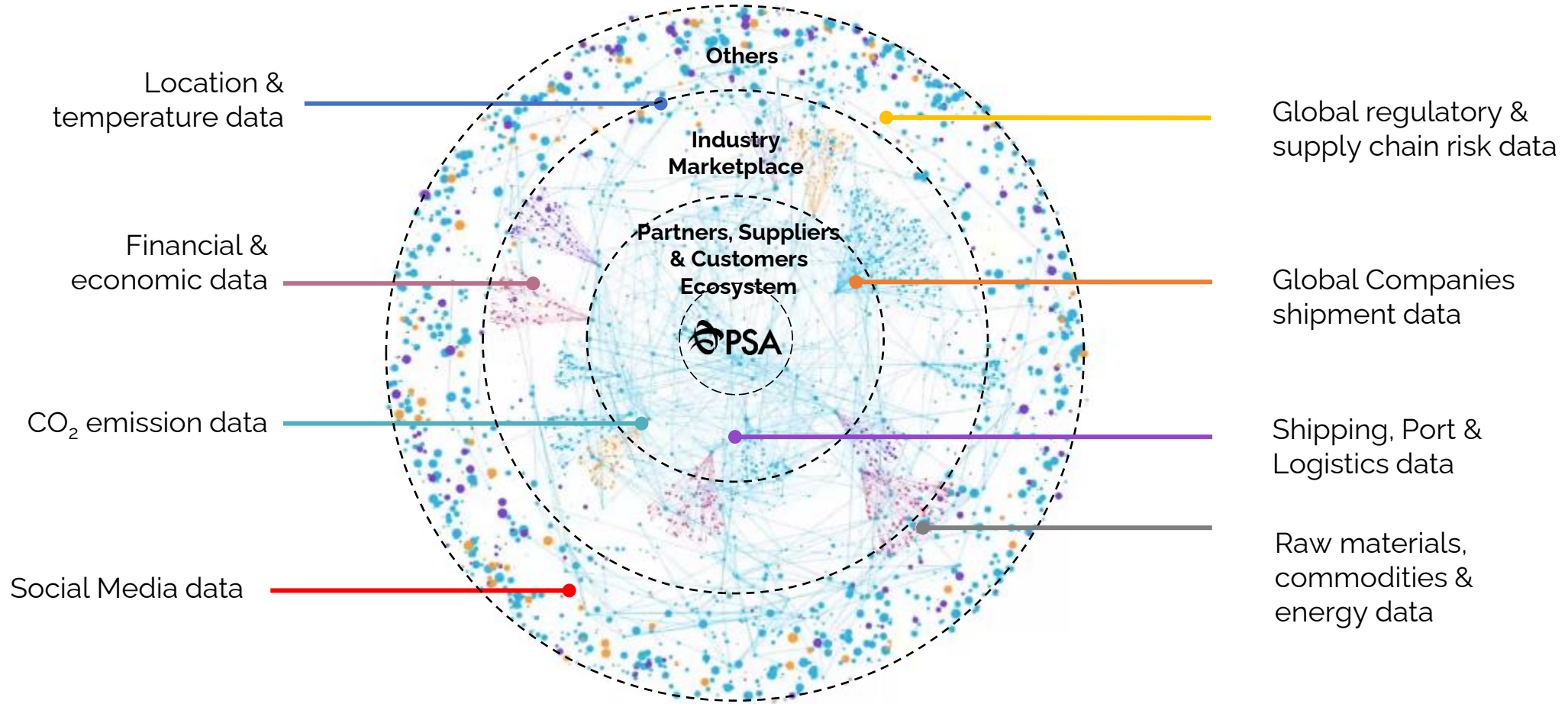


Digital and Data Solutions



Global Trade is Digitalising

PSA is aggregating 'Knowledge' from Diverse Data Sets and Sources



Optimising Supply Chain Ecosystem

with In-house Digital Solutions

Terminal Operator



Terminal (Enterprise) Operating Systems

- End-to-End Solution for PSA Terminal Ops
- Terminal Automation and Optimisation
- Situation Awareness, Monitoring by Exception
- Connected Platform

Port Users



Local Community Systems

- Community workflow
- Analytics, Notification
- Multiple Ports/Terminals
- Marine Services

Cargo Owners

SMART + SUITE



Supply Chain Platforms

- Cargo Logistics, Inventory Streamlining and Trade Aggregation
- Cross Integration across adjacencies

Global Community



Data Exchange

- Digital ecosystem between businesses, governments, and trade communities.

Driving Sustainability



Driving
**Sustainable
Growth**

2030

Reduce absolute
carbon emissions by

50%*

2040

Reduce absolute
carbon emissions by

75%*




2050

NET ZERO
CARBON
EMISSIONS

Our Approach Towards Decarbonisation

PSA's Climate Response Management System (CRMS) aligns PSA's **climate-related initiatives**, focusing on four key areas: **Greenhouse Gases, Energy, Water and Waste.**

The Greenhouse Protocol

SCOPES	Direct Emissions From owned or controlled sources	Indirect Emissions From purchased energy	All other indirect Emissions From the value chain including both upstream and downstream emissions
OBJECTIVES	Reduce and switch out from using diesel to reduce emissions	<ul style="list-style-type: none"> Reduce electricity consumption Use renewable energy sources 	Promote green transportation
PSA'S INITIATIVES	<ul style="list-style-type: none"> Electric Yard Cranes (RMG, eRTG) Battery Powered AGV Dual-Fuel LNG Tug 	<ul style="list-style-type: none"> Super Low-Energy Building Renewable energy projects Smart Grid/Battery Energy Storage System 	<ul style="list-style-type: none"> Supply chain orchestration Transportation services
			

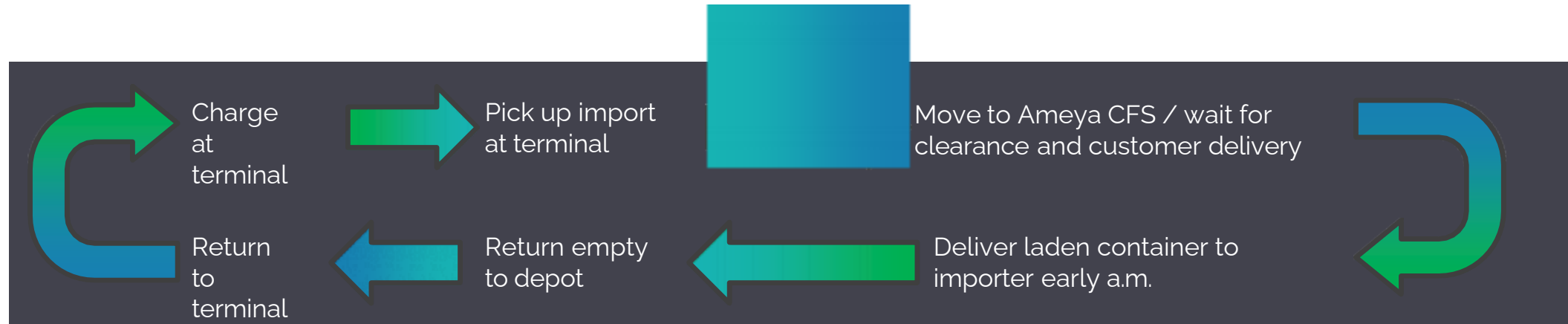
PSA Mumbai - India's first 100% Renewables Powered Terminal

- Estimated 16,000 tonnes of CO2e savings annually and 350,000 tonnes over project lifetime.
- Combination of 7.8MW Open Access Solar Power Plant in Beed, Maharashtra (rising to 10MW by June 2024), 1 MW solar facilities at PSA Mumbai and renewable energy purchase from MSEDCL
- **Zero Scope 2 emissions from Jan 1st 2024**



Creating a Green Corridor from PSA Mumbai to Customer

Cheaper open access power allows electric trucks to be competitive with diesel trucks for a 120km round trip



Sustainable transport solutions from Q1 24

- Owned/operated by PSA BDP India, power by PSA Mumbai and M&R by PSA Ameya.
- JNPA supports priority access for EVs.

10 trucks ordered for Q1 24 startup





Global Supply Chain Orchestrator



www.globalpsa.com



[@globalpsa](https://www.linkedin.com/company/globalpsa)