## **PSA Singapore Sustainability Journey**



# 90.9 million TEUs in 2022

Declared Group throughput

# Group revenue of S\$8b in 2022

# 49,000 staff globally

# World's Busiest Transhipment Hub

PSA Singapore: 37.0 million TEUs in 2022 (Almost one-seventh of the world's total container transhipment throughput)

#### PSA'S JOURNEY IN PORTS AND CARGO SOLUTIONS



PSA Cargo Solutions

# 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. CONFIDENTIAL. All rights reserved. No content can be reproduced without permission.



### **PSA Sustainability Strategy Framework**



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## Westward shift towards Tuas as part of Decarbonisation





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### Low-carbon track – focus on development of a hydrogen economy with partners



#### **Proof-of-concept on Hydrogen Prime Movers for Port Deployment**



## **Electrification + 2<sup>nd</sup> life batteries supports smart grid and BESS proliferation**

#### Smart Port Grid (EMA X PSA Joint Grant Call)

Smart Grid Management System **(SGMS)** as key enabler for easier integration and penetration of new energy technologies, to yield **better energy management**, **carbon footprint** and **operational costs** 



optimization S

Battery EnergyEnStorage SystemRes

Energy Resilience







Peak Shaving

Scope 2 GHG Optimisation



### Closing the loop on handling of parts and waste materials







## Total Carbon Savings: 1.3 mil tonne CO2e

#### Electric truck eco-system to accelerate land transport sector decarbonisation.



Electric PMs - Demand Aggregation

9

R&D to Design Inter-Changeable Battery Packs & Energy Storage Systems

Battery Swap Market Development Safety & Regulatory Frameworks Aligned with International Standards

## **Electric Truck Ecosystem**



## **Catalysing End-to-End Supply Chain Decarbonisation**

Via Partnership with Ecosystem Stakeholders & Enabled by Green Capabilities & Digital Solutions



Supply Chain

Decarbonisation

## **Sustainability Supply Chain Network**

Accelerate maritime decarbonisation via development of green shipping corridors



### **Green Port Culture**

Onboard and engage all staff on sustainability



- Strengthen a generative culture where all staff are green-minded, green-skilled and green-motivated
  - Through these 6 pathways:



## **Greenfish Sustainability Mobile App (Greenfish App)**

For PSA SG staff

- Personal carbon footprint calculator
- Learn through in-app resources such as game, newsletter, videos
- Participate in organised campaigns jointly organised with internal stakeholders



### **PSA SG in Bloom**



## NParks Community in Bloom (CIB) Awards 2023 Top 50 Garden (Organisations)



Left : PSA contributes S\$3.5m to Garden City Fund to co-create 2.5km stretch of Pasir Panjang Park to reach out to community



## Pasir Panjang Park



- S\$3.5m to Garden City Fund to co-create 2.5km stretch of Pasir Panjang Park to reach out to community
- 3 containers refurbished into 2 container shelters for park users
  - Green roofs
  - Maritime artefacts
  - Painted murals



### Sustainability at PSA Singapore 2022

- 6<sup>th</sup> annual report
- Themed 'Propelled by Purpose' and available on PSA Singapore's website at below link: https://www.singaporepsa.com/media/sustainability-psasg/
- In accordance with the updated GRI Universal Standards 2021
- Our climate change adaptation approach is aligned to the recommendations of the Taskforce on Climate-related Financial Disclosures (TCFD)





