



DP WORLD

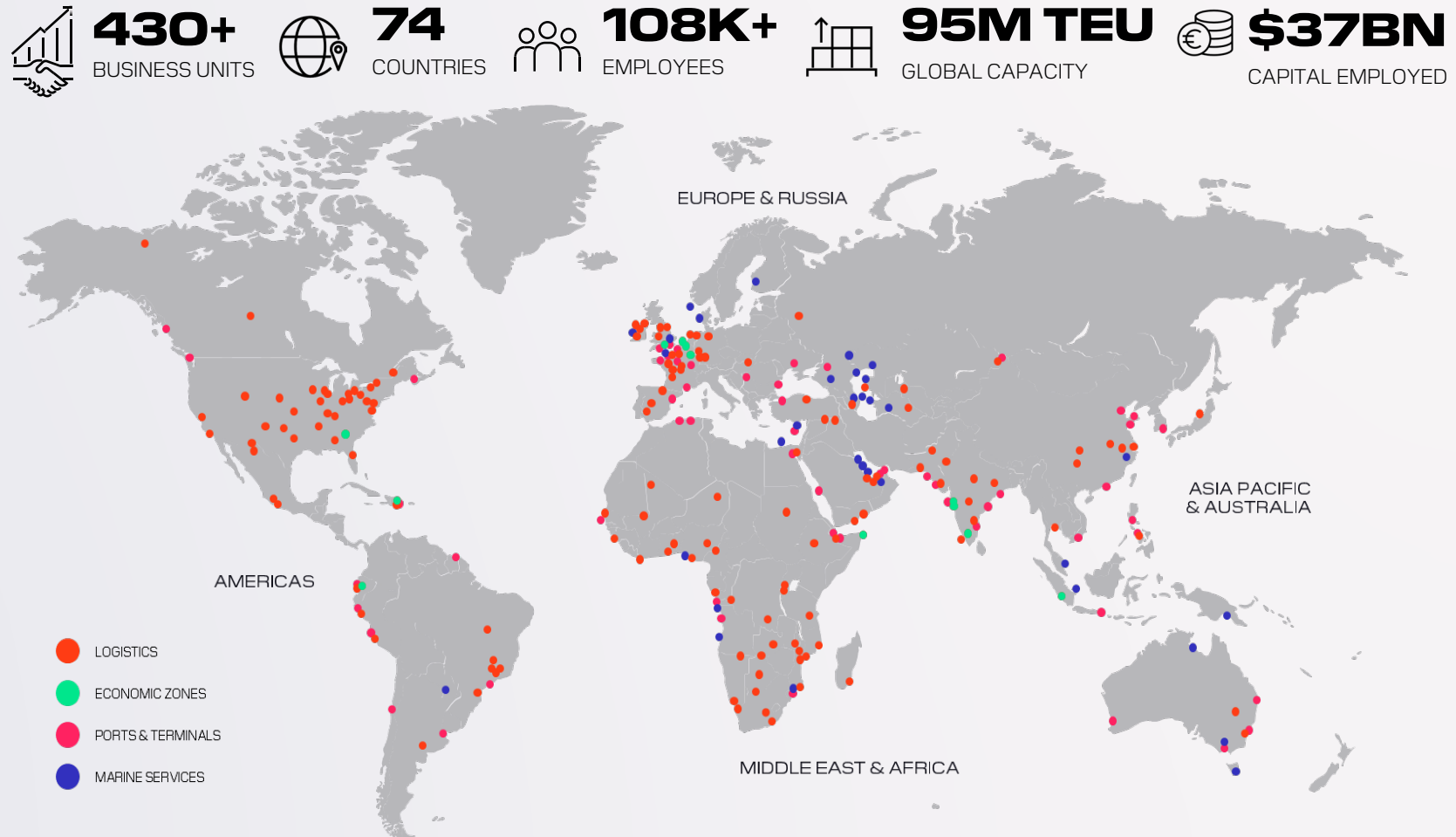
Navigating Towards Net-Zero: Terminal Prospective

TOC June 11, 2024

PREAMBLE: THE SIZE OF THE PROBLEM

DP World Driven by “Our World Our Future”

- At DP World, we handle 10% of world trade and **are committed to net-zero by 2050**.
- We have over 430 business units in 74 countries, making it challenging to find net-zero solutions for the entire business.
- As an end-to-end logistics provider, we need net-zero solutions for our Ports, Logistics, Maritime, and Economic Zone businesses.
- This is especially difficult in hard-to-abate areas like **marine fuel and regions with limited access to renewable energy** and infrastructure (e.g., Sub-Saharan Africa).



COLLABORATION: ATTRACTING STAKEHOLDERS

Engaging Stakeholders in Net-Zero Journey

- Achieving net-zero requires a collaborative effort; **DP World cannot do it alone.**
- Stakeholders across the value chain must work together to meet sector-wide net-zero ambitions.
- During COP28, DP World formed the **Zero Emissions Port Alliance (ZEPA)** with APMT terminals to support the green transition.
- ZEPA aims to work with other **terminals, OEMs, and port authorities** to ensure demand for zero emissions equipment and reduce costs through standardization.

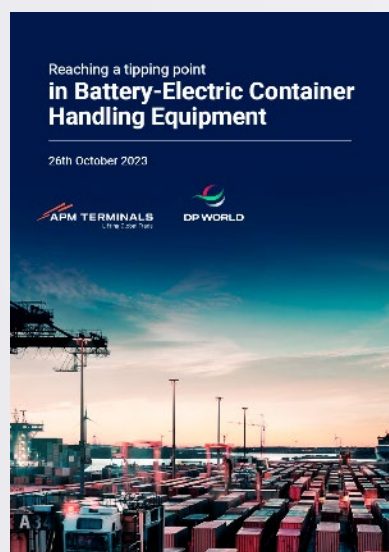


DPW x APMT
ZEPA

MOU with
Masdar

The “Move to -
15” campaign

Green Corridors
with PIL



TRANSITORY: ELECTRIFICATION AS A BRIDGE

Electrification as Bridge to Net-Zero

- Achieving net-zero requires using various strategies, not just electrification.
- **Scope 3 emissions are a significant challenge** for our industry and others committed to net-zero.
- We view **electrification as a transitional bridge to net-zero**, with alternative fuels like hydrogen supplementing our efforts, especially where electrification is not feasible (e.g., Sub-Saharan Africa).
- Focus on **reducing energy consumption through optimization** (i.e., Boxbay 30% more energy efficient @ 2.1kWh/move VS 3kWh/move for conventional)

Hydrogen RTGs

- Hydrogen fuel-cell RTGs are being piloted in Vancouver, which brings together a consortium of companies within the hydrogen sector (fuel cell supplier, hydrogen fuel supply)
- This project will allow us to understand how hydrogen integrates into our business



Inter-Terminal Transport

- DPW has signed an agreement with Einride, a Swedish technology firm to help decarbonize inter-terminal transport in Jebel Ali
- The project O&M cost is at parity with our incumbent diesel supplier and will help tackle our Scope 3 emissions



HVO “Drop In” Fuel

- DPW has firm contracts for HVO fuels in the UK and Canada
- DPW is exploring options to increase HVO utilization
- HVO is a “drop in” fuel with zero tailpipe emissions, however DPW understands that HVO is still a transitory solution



Operational Efficiencies



PARTING THOUGHTS

Pathways to Net-Zero Through Collaboration

- Industry alliances and **public-private collaboration are essential** for the maritime sector to achieve net-zero goals.
- DP World is committed to this journey and wants to **collaborate with all stakeholders in the value chain**, including those here today (e.g., Port Wise, Bromma, Hyster, Cavotec, Kempower).
- What is next? How do we **challenge the status quo through innovation?**

THANK YOU



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