



NAVIGATING TOWARDS NET-ZERO: COLLABORATIVE PATHWAYS IN THE MARITIME SECTOR

How DP World is acting as a change agent to ensure that the shipping industry collectively moves towards a net-zero future

THE MARITIME ENERGY TRANSITION CHALLENGE

Collaboration Across the Maritime Value Chain is Required

- At DP World, we handle 10% of world trade and **are committed to net-zero by 2050**.
- We have over 430 business units in over 70+ 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).



430+
BUSINESS UNITS



74
COUNTRIES



108K+
EMPLOYEES



95M TEU
GLOBAL CAPACITY



\$37BN
CAPITAL EMPLOYED

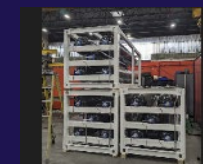
In-house Retrofit of TTs

- DPW Engineers in Dubai have converted diesel-fueled TTs into electrical TTs
- Partnering with DPW's WCS, we are looking at scaling our own operations and commercializing it to our customers



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



FINANCING THE TRANSITION

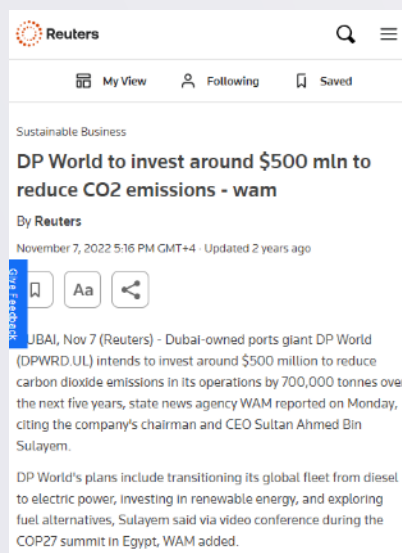
At DP World We Committed to Bridging the Funding Gap Though Various Mechanisms

- Traditional CAPEX where at CO27 we committed to a \$500M investment to reach out near term emissions targets
- In 2023 we raised an oversubscribed US \$1.5B Green Bond where 100% of the proceeds will go to finance green projects
- Leveraging partnerships with the public sector through investments and funding programs
- Designing customer focused energy transition programs to ensure equal benefit in the energy transition

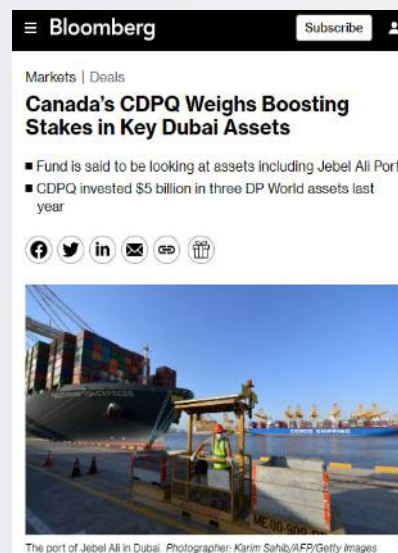
\$1.5B Green Bond



\$500M Investment



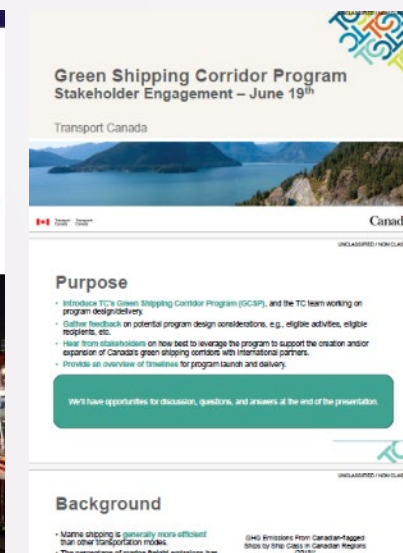
Public-Private-Partnerships



Customer Programs



Funding Programs



ACTIVE COLLABORATIONS

Partnerships & Industry Alliances Will Accelerate the Transition

- 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.
- DP World also has various other industry partnerships and alliances that will collectively accelerate our net-zero goals.

ZEPA

- Collective action across 4 workstreams to accelerate the adoption of battery electric handling equipment
- Projected Demand, Design Standards, Power Infrastructure & Adoption Incentives



MMMCZCS

- Safe space for collaboration that unites players across the maritime value chain behind a shared mission.
- Seeks to influence global, regional and national decarbonization strategies and push for policies and regulations.



Partnerships

- PIL Green Corridors with Jebel Ali
- Maersk long term partnership to reduce bunkering fuel consumption and reduce emissions through faster gate turnaround times





PARTING THOUGHTS

Pathways to Net-Zero Through Collaboration

- Electrification is what we're focused on for now but we understand that this is also a medium term solution, especially for regions where we cannot electrify
- Collaboration is required to tackle our scope 2 emissions as well to ensure that we connect with service providers in difficult regions that we operate (i.e., Masdar MOU)
- We will need more collaboration throughout the end-to-end value chain if we're to tackle scope 3 emissions for net zero (i.e., Einride partnership)

THANK YOU



Andy Tam
Global Vice President
Energy Management & Decarbonization
DP World