Decarbonization strategy – DP World Callao

Vision:

To lead the industry as a global provider of smart logistics solutions and aspire for intermediate target of 90% reduction of carbon footprint in scope 1 and 2 (market-based) by 2030.

The strategy is based in equipment electrification and efficiency, renewable energy, process efficiency and digitalization.

If keep business as usual our emissions for 2030 would be 238% compared to 2022 emissions.

Decarbonization projects

More than US$72 million will be invested for the changeover to electric equipment (replacement and conversion) and renewable energy supply.

|  |
| --- |
| Equipment Electrification |
| 2023 - Busbar and substation installation in Containers Yard. (implemented) 2024 - Arrival of 12 Electric RTG for Expansion. (implemented) 2024 - Start operation of Electric charging station with solar panels for the ITV with 20 plug-in units. (implemented) 2024 - Add 20 Electric ITV. (implemented)\*2024 - Retrofitting 14 RTG diesel to electric. (implemented 10/14) 2027/2030 - 11 RTG will be replaced by electric RTG 2026/2030 - 41 ITV will be replaced by electric ITV.  |
| Renewable energy supply |
| 2023 - 100% renewable energy supply with IREC certificate since May 2023. (implemented)2024/2030 - Solar panels on administration building’s roof 2025/2030 - Construction of wind turbine (If feasibility studies are positive) |
| Process efficiency & digitalization |
| 2021 - Digital tickets at the gate that avoid printing tickets. (implemented)2021 - Digitalization – Dport digital platform billing. 39,600 people do no need to come to the terminal any longer (annually). (implemented)2022 -Documents storage - ISOTools digital platform (6 000 non-printed papers per year) (implemented)2022 - Gate efficiency improvement (69% at import and 60% at Export reduction of the average time).2023/YTD - Increasing Berth Productivity– LEAN Project (Stay at the berth per vessel 2000moves 1.1 hours less than 2022). 2023/YTD - Yard productivity – RTG moves  |
| Carbon compensation |
| 2025/2030 - Compensation of residual carbon emissions after maximizing deep decarbonization. |

**About Electric ITV , results and benefits, we can highlight:**

**Operations:**

* Operation autonomy: 1 hour charging lasts for 12-13 hours of autonomy.
* Operational planning: the trucks are charged during lunch times.

**Costs:**

* Maintenance savings: we estimate there will be maintenance savings of around 25% when comparing electric to diesel.
* Operational savings:  Running cost in electric mode is 20% of cost in diesel mode (1$ electricity equal 5$ diesel).

**Working environment:**

* Better working environment: cero noise, better comfort in the cabin, less shaking.
* Learning experience for our drivers:  this increases the technician competency. Our team has traveled for learning to Terberg Factory in Netherlands.

**Environmental impact:**

* Reduction of 2,145 tonsCO2eq emissions/year.
* Cleaner air.

**What has been the investment on this project?**

* The investment has been $2M for charges and $5M for ITVs.
* For the trucks we are calculating a payback of 5 years.

Strategy Impact



From 2022 to 2030, DP World Callao, through the implementation of its decarbonization strategy, will stop emitting more than 154,996 Tons of CO2 into the environment in its Scopes 1 and 2.
