

# Aqaba Container Terminal (ACT) Environmental Report – 2025



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**ACT - Aqaba Container Terminal**

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## 1. Introduction.

The Aqaba Container Terminal Pvt. Co. (ACT) is a world-class port serving as a key gateway for transit cargo moving to and from the region, as well as for the Jordanian market. Strategically located at the crossroads of three continents and four countries, Aqaba offers a prime position in the heart of the Levant, accommodating more than fifteen of the world's leading shipping lines. ACT is managed, operated, and marketed by APM Terminals, a global port operator and a subsidiary of the renowned A.P. Møller – Maersk Group, in partnership with the Aqaba Development Corporation. Committed to excellence, ACT continuously enhances its facilities, technology, and operational efficiency to provide world-class services to its customers. Recognized for its outstanding service, ACT has been nominated multiple times as one of the top service providers in the region and has received several prestigious international awards for its excellence in port operations.



**ACT - Aqaba Container Terminal (Total Surface 500,000 M<sup>2</sup>)**



Aqaba Container Terminal is the logistical and economic backbone of the Aqaba Special Economic Zone Authority (ASEZA), serving as the preferred gateway to the region for many active markets around the world. It is the premier transit hub in the Middle East, strategically positioned to serve Iraq, Syria, Saudi Arabia, West Bank and Lebanon. Our world-class services are powered by advanced terminal technology, equipment, and facilities, and provide customers with a complete package to facilitate their cargo operations. ACT has a reputation for efficiency and proficiency and is dedicated to providing speed, safety, security, and transparency across its service.

## **Terminal Overview**

- ✓ Terminal Area: 500,000m<sup>2</sup>
- ✓ Stacking Area 450,000 m<sup>2</sup>
- ✓ Electric reefer points: 800 plugs
- ✓ Security: 24/7

## **Berths**

- ✓ Total length: 1,000m
- ✓ Max. channel depth: 24m
- ✓ Max. depth at berth: 14-16.5m
- ✓ Vessels side alongside: Starboard
- ✓ Container berths: 3

✓ Ro-Ro berths: 1

## Equipment

- ✓ In conjunction with ACT Port Facilities, our highest standard equipment's are what keep the efficiency 24/7 operational and fully consistent (in accord).
- ✓ Ship-to-Shore Cranes: 6 (Max outreach on water side 63m/capacity under hook 100 ton)
- ✓ RTGs: 22 (Max lifting capacity 50 ton)
- ✓ Reach stackers: 7 (Max lifting capacity 45 ton/ 5 containers high)
- ✓ Empty handlers: 10 (Max lifting capacity 10 ton/ 7 containers high)
- ✓ Terminal Trucks: 36 (Max lifting capacity on 5th wheel: 34 ton)

## 2. Summary on ACT Sustainability

ACT believes that success is not only measured by our economic value but also by the positive impact created for our employees, shareholders, and the communities in which we operate. As a responsible corporate citizen, we understand the importance of safeguarding the environment and contributing towards creating a sustainable future. After the materiality assessment, ACT designed a comprehensive sustainability framework to formalize and concentrate our efforts on promoting sustainable development. The framework includes 6 main pillars that highlight efforts and aims to create long-lasting shared value. Each of the pillars addresses specific sustainability-related areas such as decarbonization efforts and taking care of our people, the local communities, governance efforts as well as our approach to ensure a superior port experience.

### **3. Our Aspiration**

Position ACT as the leading green hub for trade for Jordan and the Levant.  
Deliver a superior port experience for shipping lines and landside customers.  
Foster community prosperity in Aqaba through impactful outreach and engagement from our employees.

### **4. Stakeholder Engagement**

ACT's sustainability management program aims to integrate input from all stakeholders. We understand that open and transparent communication is paramount to continued positive relationships with our stakeholders.

### **5. Corporate Social Responsibility (CSR)**

ACT pays much attention to the social aspect of sustainability and strives to create a balanced society that offers everyone equal opportunities to succeed and prosper. By collaborating with local organizations, we aim to improve the quality of life of the people of Aqaba and the adjacent areas. Our community contributions are in line with national and international drivers; namely, The Jordan National Vision 2025, Jordan's Economic Modernization Vision, and the UN SDGs. This is ensured by ACT's Corporate Social Responsibility "CSR" Committee, which manages our CSR activities and evaluates projects' efficiency and success. Furthermore, we abide by Maersk Group's CSR Policy.

## 6. Strategic Community Investments

ACT's CSR strategy focuses on three areas with the aim of having a greater impact in: education, well-being, and the environment. ACT is heavily involved in the community, listening to locals, non-profit partners, and employees. Our community activities are monitored, and the results of the initiatives are measured. This allows us to set future plans on how to further improve our CSR programs and ensure a wider outreach.

**Education** - As part of its education initiatives, ACT focuses on providing educational opportunities for underprivileged children with the aim of offering them a better future. ACT provides school supplies and financial assistance to cover school tuition fees.

**Environment** - We aim to protect the environment and preserve natural resources. We conduct awareness raising activities to emphasize the importance of protecting the environment.

**Well-being** - ACT commits to good corporate citizenship, engaging in activities and initiatives that support the less fortunate and improve the community's well-being.

## 7. Sustainability Report

This year ACT has updated its materiality matrix and sustainability framework to reflect changes across our business and the world. Through stakeholder engagement, analysis, and research, we identified the most relevant sustainability issues for our business and stakeholders. These updates will guide

our sustainability efforts and decision-making, enabling us to focus on critical issues and create meaningful impacts in the short and long term. This environmental report is intended to inform anyone interested about the environmental implication of the port of 'Aqaba container terminal ACT together with information's about the implemented environmental management system EMS-based on PERS requirement, that aims to avoid, reduce or compensate detrimental effects. The environmental report also constitutes part of the PERS certification of the Aqaba container terminal -ACT

## **8. Decarbonisation**

As a part of our global commitment to a 65% reduction in CO2 emissions by 2030 and net zero by 2040, a Decarbonisation roadmap has been set out based on three focus areas to achieve the mission:

### **✓ Energy Consumption**

Deploy technology and industry-leading best practices to continuously optimize the way ACT consumes electricity across the entire terminal.

### **✓ Electrification**

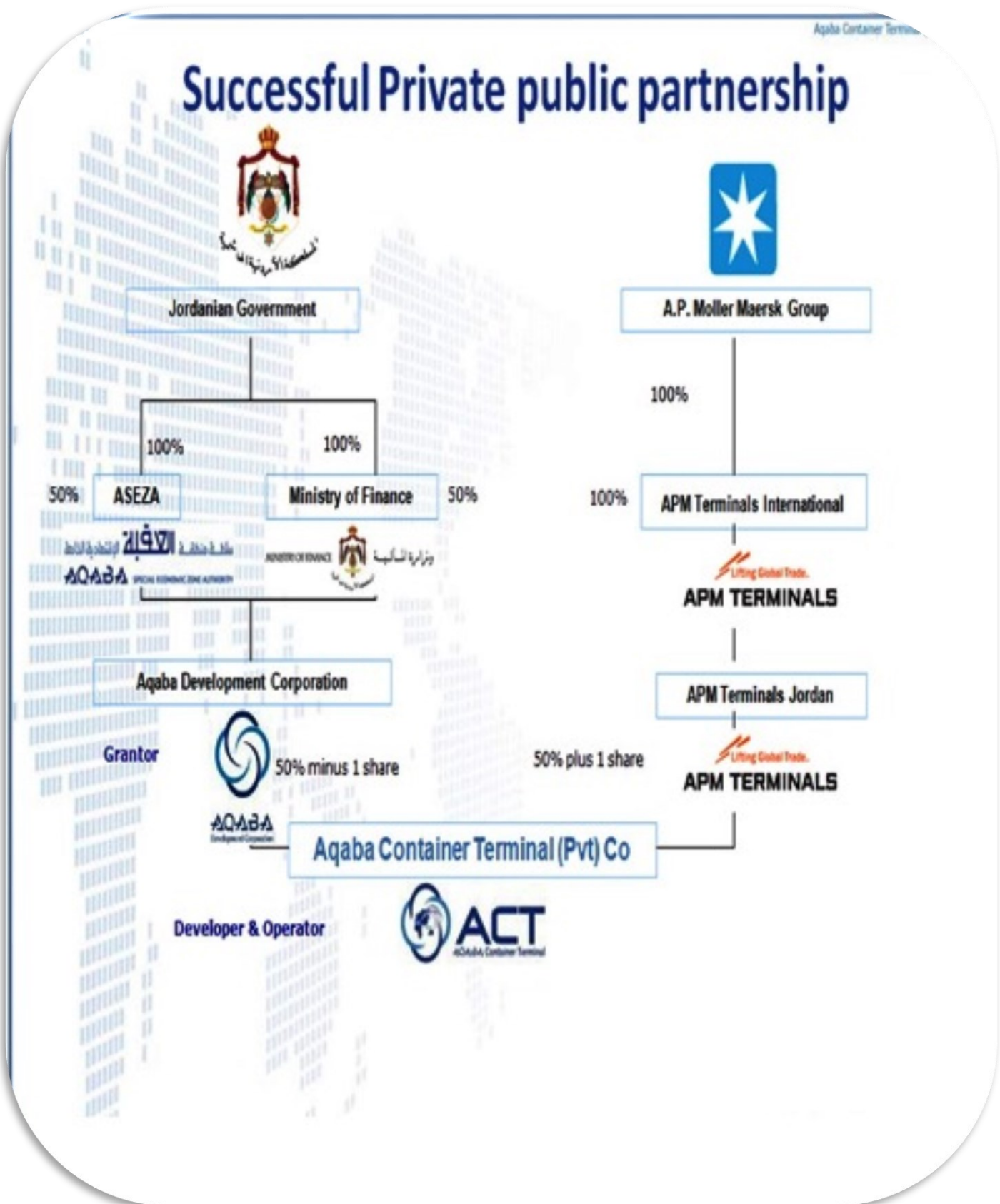
In order to phase out the use of nonrenewable energy, ACT plans to electrify equipment and carry out necessary civil works.

### **Renewable Energy**

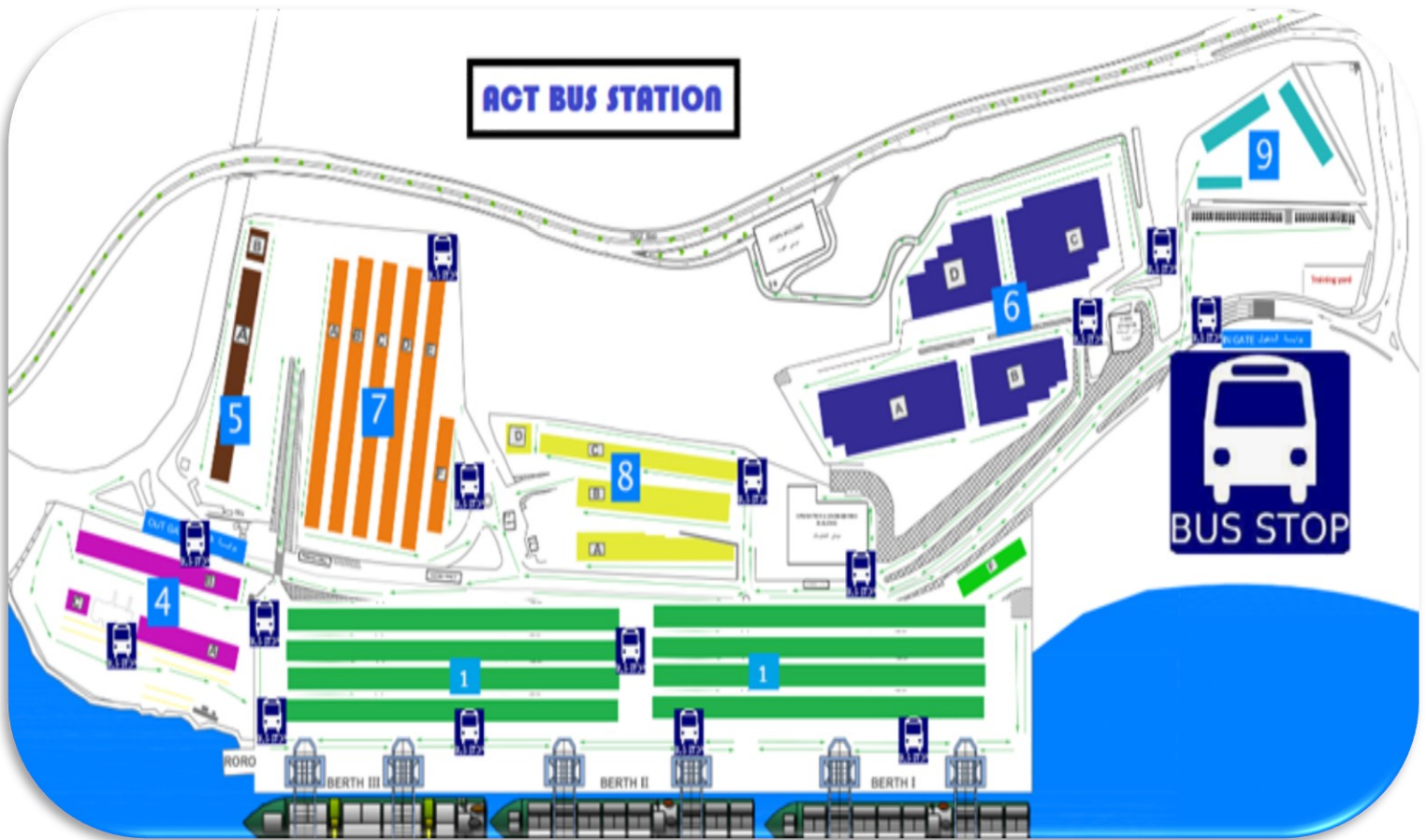
Increase access to renewables and secure a local supply of clean energy, with an important step being the expansion of on-site solar installation. This is the first project of its kind in our industry in the region and a huge step toward unlocking a more sustainable tomorrow together.



## 9. Successful private public partnership



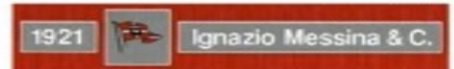
## 10. Terminal Layout



## 11. Customers

### Customers

- 21 customers including Yang Ming Line and RES Consortium.
- Direct services from Asia, India, Europe, Arabian Gulf and US East Coast.
- Serving up to 6500TEU vessels with dedicated berth windows.



### Shipping Lines



## 12. Top Management

### Top Management is responsible for:

The senior-most person of the operating area is responsible for implementing the Environmental Management System EMS-based on PERS requirement:

- a) Endorsing the environmental policy;
- b) Ensuring appropriate resource allocation to enable the effective operation and continual improvement of the EMS.
- c) periodically review EMS performance against objectives and targets

## 13. Environmental Management Representative (EMR)

The Environmental Management Representative is the appointed EMR and has the responsibility and authority for:

- a) Ensuring that EMS requirements are established, implemented and maintained in accordance with the PERS standard EMS- PERS requirement;
- b) Ensuring that sufficient resources are allocated for the proper implementation of the environmental policy and the EMS;
- c) Regularly reviewing the policy and the effectiveness of the EMS, and ensuring that the necessary changes are made.

EMR is also the Chairman of the EMS Committee and has the responsibility and authority for:

- a) Leading the EMS Committee to establish and implement the EMS according to PERS standard, and monitoring the performance of the EMS;
- b) Coordinating internal EMS audits to ensure the EMS has been properly implemented and maintained;
- c) Handling and investigating nonconformity and ensuring corrective and preventive action has been taken to mitigate any impacts caused;
- d) Reporting on the performance of the EMS to the top management for review and as a basis for improvement of the EMS.
- e) The EMR, the ...environmental coordinator ?.....& SC Committee and Top Management shall participate to the EMS management review annually to ensure top management commitment and integration of the EMS with business strategies for its implementation and continual improvement.

## **14. Environmental Coordinator ( Deputy Environmental Management Representative)**

The Environmental Coordinator is the appointed DEMR and has the responsibility and authority

for: Assisting the EMR to ensure the EMS is effectively implemented and maintained in accordance with PERS standard; *Ensuring support* for the EMS, and making sure all EMS tasks are completed. Assuming the responsibility and action of the EMR when the EMR is unavailable.

## **15. Principle Purpose of Job**

Assists in the implementation of the Environment Management System and Environment Policy of the company.

## **16. Main Responsibilities & Duty**

1. Assists in Environmental audits and inspection of facilities within geographic area of responsibility to ensure a safe and clean working environment and compliance with regulatory laws.
2. Ensure Health, safety and environment compliance with government laws and regulations and ACT/APM Terminals internal policies and SOPs.
3. May conduct orientations, visit work sites, and distribute literature to implement and promote Environmental policies and procedures.
4. Prepare, review, or update environmental investigation or recommendation reports
5. Facilitates implementation of the HSE Management System including incident investigations and hazard assessments.
6. Assist in responding to inquiries or complaints from clients, regulatory agencies and/or community groups.
7. Handle special projects, as assigned. Such as CO<sub>2</sub> reduction.
8. Provides advice (take action) to employees on issues relating to Environment, hazardous materials and pollution control, Safety.
9. Interacts with the appropriate local authorities, ASEZA & Ministry of Environment and other authorities in regard of environmental correspondence.
10. Implement company strategy in waste segregation as per company policy.
11. Evaluates potential risks to personnel or the port and advises HSSE manager.
12. Assists the Manager, HSSE in investigating spillage and leaking accidents or other environmental related incidents.

13. Conducts Environment inspection of departments and operates the corrective active to follow up on inspections.
14. Assists with health, safety and environmental awareness messages delivered to various departments through team meetings/posters and brochures.
15. Assists with HSE department meetings.
16. Advise corporations or government agencies of procedures to follow in cleaning up
17. Assists on complying with relevant local, national and international Health, safety and environmental regulations.
18. contaminated sites to protect people and the environment.
19. Performs other related duties as required.

## **17. Environmental Steering Committee (ESC)**

This committee is responsible for:

- a) all staff is responsible for Implementation of the EMS and PERS system requirements
- b) The validation & review of objectives, targets, and programmes;
- c) ensuring the effective implementation of environmentally-related operational controls and programmes;
- d) The internal communication of environmental matters between management and employees; and promoting environmental awareness among company staff;
- e) Assist in elaborating EMS documentation;
- f) Assign responsibility for corrective actions;
- g) Identify root causes of EMS deficiencies;
- h) Participate in internal audits and
- i) Make recommendations for the improvement of the EMS. Providing leadership in the pursuit of environmental issues;
- j) Any other EMS activities that are assigned by the EMR;
- k) Holding regular meeting (at approximately one-month intervals).

## **18. Management Review Committee**

The Committee systematically examines the EMS to ensure the suitability, adequacy and effectiveness of the EMS. The Committee comprises of the Top Management, EMR, DEMR, and designated Function / Departmental Managers.

## **19. Function / Departmental Manager**

### **The Function / Departmental Managers are responsible for:**

- a) Establishing controls for the identified significant environmental aspects for his/her function team / department according to procedures and instructions;
- b) Ensuring that the EMS is properly implemented and that environmental matters are properly handled at all stages;

Line Manager shall be responsible and accountable for effective implementation of the Environmental Management Improvement Process, setting objectives goals and monitoring performance of their applicable area.

## 20. Environmental policy statement of the Aqaba Container Terminal ACT



ACT is committed to achieving the high standards of environmental performance, preventing pollution, and minimizing the impact of its business of container handling and storage.

The company and its employees shall comply with applicable laws and regulations to prevent pollution and/or environmental damages to the soil, water, marine biodiversity, and atmosphere during the operational activity ensuring effective environmental management of its business. The company will implement programs and procedures to assure compliance with all applicable environmental standards.

ACT recognizes its responsibility to protect the environment and to minimize, as far as is safe, practicable and economically sound, any adverse environmental impact of its activities; ACT aims to reduce impact of operational activity on the environment through energy conservation. Particular focus is applied to the management of greenhouse gas emissions through implementation of an Energy and Climate Change Policy and our global commitment for Decarbonisation.

The company will promote environmental awareness and responsibility for our employees and subcontractors; and provide them with information on the significant environmental hazards, educate, train, and motivate employees to carry out tasks in an environmentally responsible manner similarly, subcontractors and others who work at the company locations will be held responsible and accountable for ensuring that environmentally sound practices and procedures are followed.

ACT is committed to continuous improvement for a sustainable environmental performance and this Policy shall be communicated to all staff, contractors, and suppliers, and be available for the public.

CEO

Harald Nijhof

Date: 1<sup>st</sup> of January -2025

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### السياسة البيئية لشركة ميناء الحاويات

نتعهد ونلتزم شركة ميناء حاويات العقبة بتحقيق أعلى معايير الأداء البيئية، ومنع التلوث والتقليل من تأثيراته خلال أعمالها في مناولة وتخزين الحاويات.

الشركة وموظفيها سيستجيبون لكافة التعليمات والقوانين المعمول بها لتجنب التلوث والضرر البيئي للتربة والمياه والتنوع البيولوجي البحري والجوي من خلال تأدية النشاطات المختلفة في الشركة للعمل على تحقيق إدارة ناجعة وفعالة لنظامها البيئي، سوف تنفذ الشركة برامج وإجراءات لضمان الامتثال لجميع المعايير والقوانين البيئية القابلة للتطبيق والمعمول بها.

ان الشركة تعي وتدرك مسؤوليتها في حماية البيئة والتقليل بالقدر الاقتصادي الامن لآية تأثيرات سلبية على البيئة ممكن ان تترتب عن نشاطاتها العملية. كما وتهدف الشركة بالمحافظة على موارد الطاقة والتركيز بصفة خاصة على إدارة انبعاثات غازات الدفيئة من خلال التزامنا العالمي "بالسياسات المتعلقة بتغير المناخ والطاقة وإزالة الكربون".

سوف تقوم الشركة بتطوير الوعي البيئي لدى موظفيها ومقاوليها بتزويدهم بالمعلومات عن الاخطار البيئية وتنقيفهم وتشجيعهم وتدريبهم على القيام بأعمالهم بالسلوك البيئي الصحيح، كما وان الشركة وبالمثل تضع على عاتق المقاولين وغيرهم ممن يعملون في مواقع الميناء مسؤولية الانصياع للقوانين البيئية السارية.

شركة ميناء حاويات العقبة تتعهد وتلتزم بالتحسينات البيئية المستمرة ومراجعة نظامها البيئي للوصول الى الاداء البيئي المستدام وذلك لمتابعة التحسين المستمر لعملياتها من اجل حماية البيئة في الشركة والمجتمع المحلي مع التزام الشركة بتوصيل هذه السياسة الى جميع موظفيها ومقاوليها ومزودي الخدمة لها كما واتاحتها الى العامة.

المدير التنفيذي

هارلد نايهوف

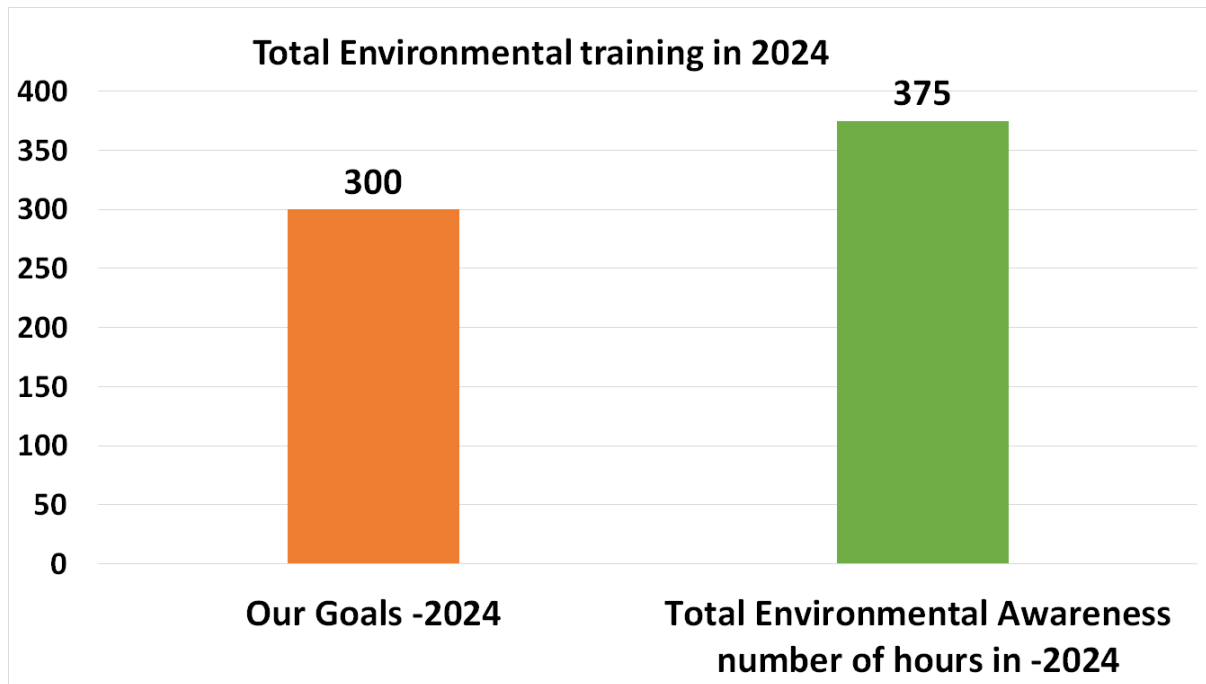
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## 21. Significant Environmental Aspects & performance of the Aqaba Container Terminal ACT

Effective management of environmental performance requires awareness and knowledge of the environmental aspects (see list of environmental awareness conducted during the year of 2024 with more than 375 hours) to increase the knowledge of the environmental aspects for our employees and our stakeholders as below.



Aqaba container terminal ACT one of the Ports which can apply for PERS certification this year according to PERS guideline and may choose to give a qualitative summary on the actual performance on the major environmental aspects. In accordance with the requirements “significant environmental aspects” refer to those which are presented and uploaded on the ESPO website under the title of register of “significant environmental aspects”. For the **First significant environmental aspects** and according to the different actions which were taken during 2023 in order to achieve our targets in 10 % Reductions of oil

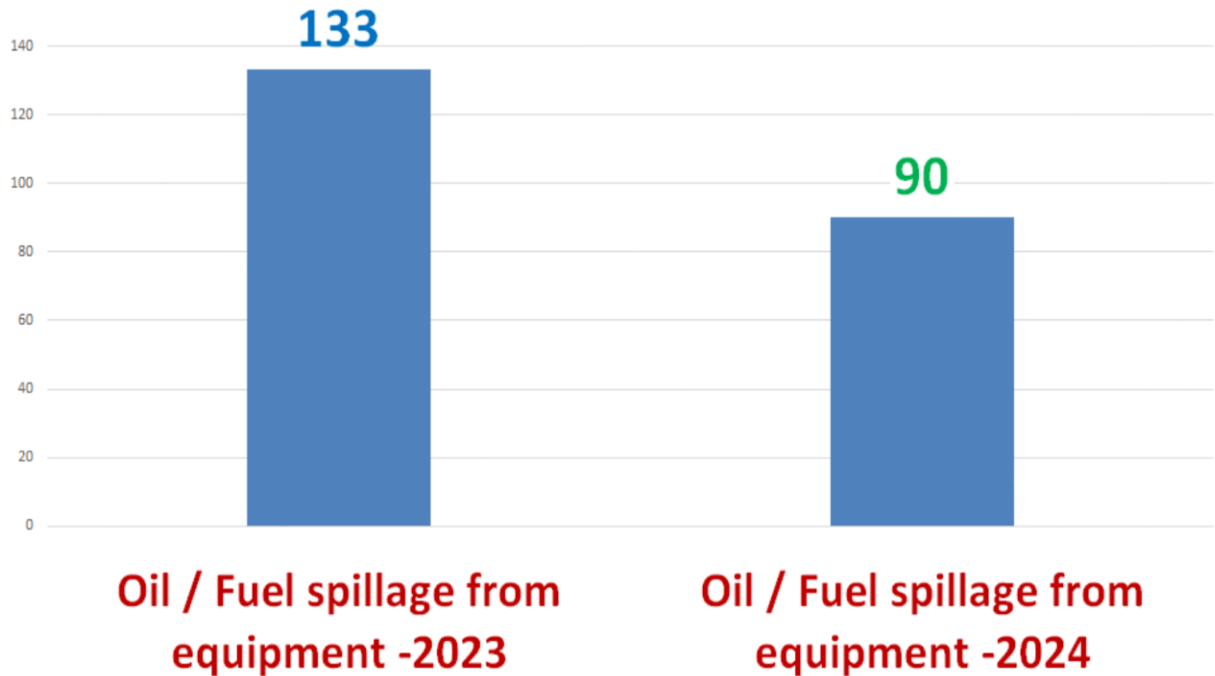
spills Quantities in 2023. the Environmental performance indicators shows that ACT in 2023 achieved more than 20 % reduction of oil.

number #	indicators	2023	2024
1.	Number of accidents	12	6
2.	Quantities of spillages per Litters	133	90
3.	Quantities of hazardous waste resulted from treated the spillages per tones	11	8
4.	Number of hoses it was damages in our equipment's	30	6
5.	number of staff that had environmental training related to this <b>Objective</b> /total staff	742	375
6.	number of staff that had environmental training certification -Internal Audits /total staff	20	25
7.	Provide handling equipment causing recurrent spillage with "vinyl oil spill berm" as appropriate per pcs	4	6
8.	ACT regular maintenance Programs	14	20

Spillages quantities per Litters comparing with 2023 figures which is less than our Targets which was 10 % Reductions of oil spills Quantities in 2024 as the below table (1.1 ) and figure show with good achievements with reduction of 25% as below table & figure :

Target 2024	Deviation	-25%
full year Oil / Fuel spillage from equipment -2023	oil spills Q 2023	133
full year Oil / Fuel spillage from equipment -2024	oil spills Q 2024	90

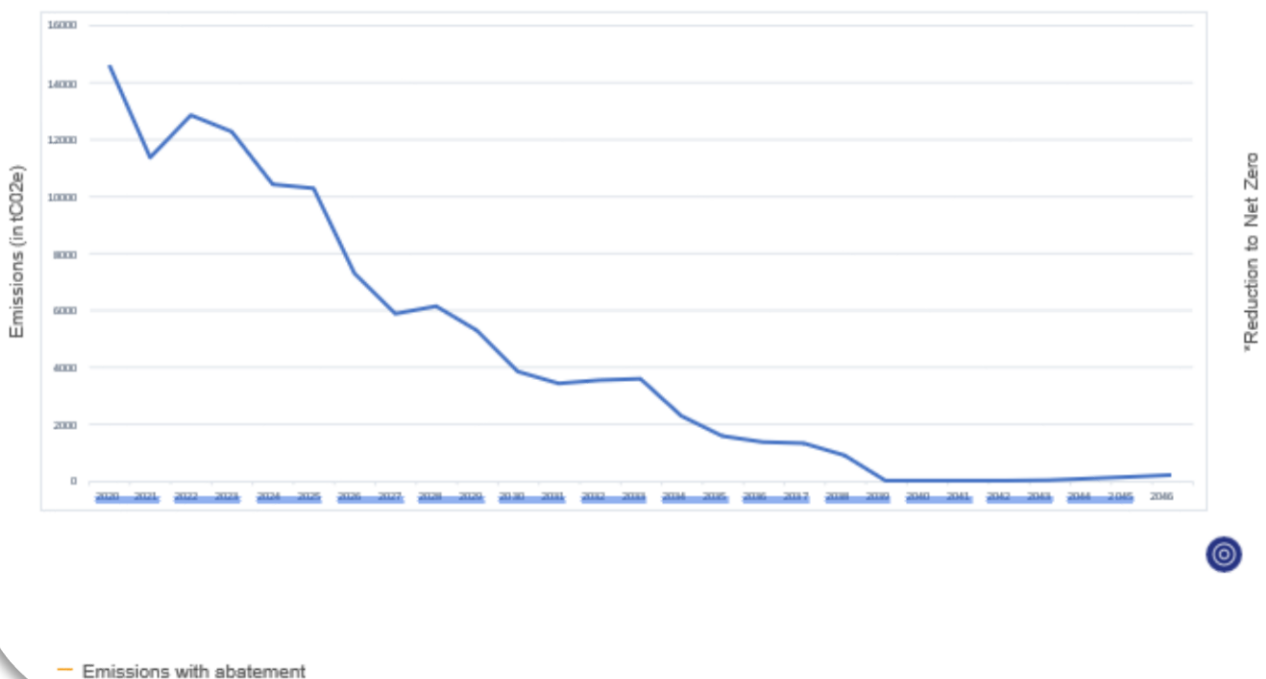
## Oil / Fuel spillage from equipment -2024



And about the **second significant environmental aspects** according to the different actions which were taken during 2024 in order to achieve our targets in ACT's Decarbonisation Targets. The maritime industry is undergoing a significant shift towards sustainability. By taking the lead in decarbonisation, ACT is positioning itself at the forefront of this transformation, ensuring its long-term success and adaptability in the evolving landscape. With our location in the ecologically sensitive Red Sea region, we have a responsibility to minimise our environmental impact. Decarbonisation efforts directly address climate change concerns, contributing to a cleaner and healthier environment

for Aqaba and the surrounding marine ecosystem. These are the drivers behind our target to achieve a 70% carbon emissions reduction by 2030 and to become net zero by 2040. Our Decarbonisation Report sets out our goals and ambitions and the actions we are taking to achieve them through our three decarbonisation levers: energy consumption optimisation, electrification and renewable energy. Please refer to the report for more details. Further, ACT has estimated a high-level CAPEX investment of around USD129 million will be required to implement all decarbonisation levers and achieve net zero by 2040.

#### Terminal Emission reduction plan

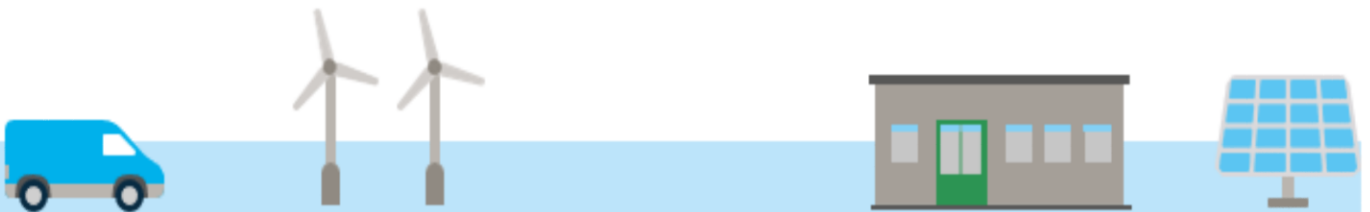


In 2023, we took a significant step towards sustainability by appointing a dedicated Decarbonisation Manager, who promptly spearheaded the development of an initial draft for the updated decarbonisation master plan. This comprehensive blueprint maps out the strategic approach to replacing terminal diesel equipment, fostering essential infrastructure development, and seamlessly integrating onsite solar energy. Additionally, the plan outlines the expected impact on terminal emissions within scopes 1 and 2, exemplifying our dedication to environmentally responsible practices. The total GHG emissions per 1,000 Twenty-Foot Equivalent Unit fell from 14.8 in 2022 to 13.7 in 2023. ACT's other emissions, with the exception of SO<sub>2</sub>, went up in 2023, largely due to readings being taken at a of very high activity at the terminal

# 7%

decrease in total GHG emissions per 1,000 TEUs  
compared to last year

GHG emissions	Unit	2021	2022	2023
GHG emissions (Scope 1)	tCO <sub>2</sub> e	7,588	8,110	8,478
GHG emissions (Scope 2)	tCO <sub>2</sub> e	3,788	4,467	3,808
Total GHG emitted per 1,000 TEU	tCO <sub>2</sub> e/1,000TEU	14.9	14.8	13.7
Other air emissions				
NO <sub>2</sub>	PPM	11.33	7.97	17.25
SO <sub>2</sub>	PPM	0.00	4.17	4.17
TVOC	PPM	4.00	0.00	94.25
CO	PPM	0.24	0.39	0.56



For the **Third significant environmental aspects** and according to the different actions which were taken during 2024 in order to achieve our targets in Applying 90% of waste segregation within the ACT facility, the Environmental performance indicators shows that ACT in 2024 Applying more than 95 % of waste segregation and that is clear in the monthly records as the below table (1.3) show

number #	indicators	2023	2024	Remarks
1.	Number of pins was distributed inside the terminal	18	45	Was added to the 30 old ones
2.	Quantities of recycled paper and cartons per tons	116,988	75,687	quintets compared with Decrease from Lean Management tools used
3.	Quantities of hazardous waste was sent to SUAQA landfill per tons	11	8	up to December
4.	Quantities of solid waste was sent to local landfill per tons	150,870	34,730	up to December -
5.	Quantities of medical waste was sent to SUAQA landfill per kg	10	17	up to December -
6.	Quantities of Organic waste was sent to local landfill per tons	95,970	113,550	up to December -

ACT follows the 3Rs principle for waste management: reduce, reuse, recycle. We continuously work to reduce the quantity of waste generated from our operations and make sure all waste is disposed of safely and in accordance with regulatory requirements. Please refer to our 2022 report for details on our Waste Management Plan. By the end of 2023, we had successfully achieved our goal of having all contractors' invoices related to waste disposal in place, as per the requirements of the Waste Disposal Standard Operating Procedure. Waste collected at the terminal was collected and segregated and comprehensive records maintained. We actively monitor compliance with waste management regulations set by local environmental authorities and had no reported violations in 2023. We carried out two initiatives in 2023 to reduce waste levels. We have installed new bins at the quayside to facilitate proper waste collection and

disposal, addressing the issue of waste accumulation in this area. We also implemented a Kaizen project, called e-Waste, for paper and carton recycling. Additionally, we took a number of steps to improve compliance with waste management. This included more efficient programmes to sort hazardous from non-hazardous waste, appointing waste management partners in each department leading to greater compliance, and other programmes to increase waste management efforts. Together with increased maintenance activities and the implementation of various projects, this led to more hazardous waste being identified and segregated, which is why our total non-hazardous - waste increased by 22% during the year. Hazardous waste also increased, by around 39%, due to disposal activities following sea spills and an increase in disposal of items such as tyres, lithium ion and lead acid batteries, oils, sludge, and medical waste. There was a 74% increase in the amount of landfill generated compared with 2022. Again, the greater emphasis on waste segregation and proper sorting was a contributory factor, along with an increase in contractors resulting in a rise on organic waste - generation, increased disposal frequency, and more efficient cleaning programmes. The effective use of compactors at ACT ensures the proper disposal of all organic waste. All PERS Requirements was uploaded electronic in order to complete PERS documentation ,

### **End The Report**