

CO2 REPORT

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1. Introduction and justification

Clarkson Port Services B.V. has been serving the offshore energy industry since 1997 by providing high-quality marine agency services, 3PL warehousing and helicopter logistics. From their strategic support bases in Den Helder, IJmuiden and Eemshaven, Clarksons has built a smoothly running network to serve their customers in every strategic port in the Netherlands. With the CO2 Performance Ladder, suppliers are challenged and encouraged to identify and reduce their own CO2 emissions.

De CO2 Performance Ladder has four perspectives:

A. Insight

Draining up an undisputed CO2 footprint in accordance with ISO 14064-1 standard and thus gaining insight into the Organisation 's CO2 emissions.

B. CO2 reduction

The Organisation 's ambition to reduce CO2 emissions.

C. Transparency

The way in which the CO2 footprint and reduction objectives are communicated internally and externally

D. Participation in initiatives

(in sector or chain) to reduce CO2.

Each angle is divided into five levels. A recognized certification body assesses the activities and determines the level of the CO2 Performance Ladder. To achieve this, steps must have been taken at all angles of the ladder.

This report summarizes the policy for CO2 reduction. Among other things, a description of the Organisation is given and calculated emissions are displayed. The measures, objectives and progress will also be discussed, as well as participation in sector and chain initiatives.

2. Description of the Organisation

Clarksons has been serving the offshore energy industry since 1997, providing high-quality marine agency services, 3PL warehousing and helicopter logistics. From their strategic support bases in Den Helder, IJmuiden and Eemshaven, Clarksons has built a smoothly running network to serve their customers in every strategic port in the Netherlands. Coverage of these support surfaces is provided in all ports in the Netherlands. The main clients for Clarksons are; GE, Siemens Gamesa, Vestas, Van Oord, Deme, Allseas, Heerema, Various Vessel owners, Total Energies, Neptune Energies, Cadeler, Dana, Spirit Energy, Borr and Noble Drilling. Clarksons believes that the environment and care go hand in hand. Clarksons says the following about the CO2 performance ladder: 'The CO2 performance ladder gives us a good insight into what our fulfilment footprint is and what we can do to improve it and set our goals. The goal for 2024 is to maintain this ladder and continue it for the future.' Clarksons is already ISO14001 and ISO45001 certified. We do our best to make sustainability and the way of thinking that goes with it a permanent part of our daily work.

2.1. Size of the Organisation

Clarksons total CO2 emissions in the year 2022 are 133.5 tonnes of CO2. Of this, 56.1 tons are accounted for by scope 1 and 37.4 tons by scope 2, business travel accounts for 11.5 tons of CO2. Clarksons therefore falls into the small company category in terms of CO2 emissions.

	SERVICES	WORKING/SUPPLYING
Small Organisation (S)	Total CO ₂ emissions amount to no more than (≤) 500 tonnes per year.	Total CO ₂ emissions of the offices and industrial premises amount to no more than (≤) 500 tonnes per year, and the total CO ₂ emissions of all building sites and production locations amount to no more than (≤) 2,000 tonnes a year.
Medium Organisation (M)	Total CO ₂ emissions amount to no more than (≤) 2,500 tonnes per year.	Total CO ₂ emissions of the offices and industrial premises amount to no more than (≤) 2,500 tonnes per year, and the total CO ₂ emissions of all building sites and production locations amount to no more than (≤) 10,000 tonnes a year
Large Organisation (L)	Total CO ₂ emissions amount more than (≤) 2,500 tonnes per year.	Other

Table 1: Classification of size categories according to the CO2 Performance Ladder Manual 3.1.

2.2. Projects with award advantage

A project with an award advantage is a project by an Organisation in which the CO2 Performance Ladder played a role in the tender. It is not relevant whether or not the award advantage was decisive in obtaining the contract, or in what way the CO2 Performance Ladder was requested in the tender.

With this definition in mind, Clarksons had no projects with award advantage underway in 2022.

3. Responsibility for sustainability

The first step is to gain insight into the Organisation's energy consumers. Based on this insight, it can be determined in which aspects results can be achieved in reducing CO2 emissions. This insight is reflected in the CO2 footprint. Energy consumption is mapped periodically.

It was decided to use the 2021 CO2 footprint as a reference year. The CO2 emissions have been carried out in accordance with the provisions of this document. Reliability is checked by an internal audit by an independent person.

Based on the CO2 emissions in this reference year, it is examined which measures and objective(s) can be formulated to reduce CO2 emissions from this reference year onwards. It is assessed annually whether the chosen reference year is still suitable for the stated objective and/or whether it needs to be adjusted.

The overall reduction target is formulated until 2026. An action plan has been drawn up based on this established overall reduction target. This plan identifies the measures that will be taken to achieve the objective and which departments are responsible for realizing the measures. The overview of measures to be taken and the responsible departments are listed in the Excel file with CO2-reducing measures.

3.1. Energy policy and objectives

The general objective of the energy management system is to continuously improve the energy efficiency and reduce the Organisation's CO2 emissions. In concrete terms, the objective is to emit 40% less CO2 in scope 1 and 2 in 2026 compared to 2021.

3.2. Energy management action plan

The data below is provided by the responsible departments to the project leader of the CO2 Performance Ladder. This ensures the timely processing (semi-annually) of the data in the CO2 footprint.

EMISSION CURRENT	UNIT	SOURCE	RESPONSIBLE	WHEN
Gas consumption	m ³	Invoices	Marlies Adema	Q1 and Q3
Fuel fleet - Diesel - Petrol - Elekricity	Litre kWh	Reports Fuel cards	Paul Koot	Q1 and Q3
Fuel assets - Diesel	Litre	Invoices Fuel cards	Paul Koot	Q1 and Q3
Elektricity usage	kWh	Invoices	Marlies Adema	Q1 and Q3
Business kilometers	Kilometre euro	Declarations	Paul Koot	Q1 and Q3
Air travel	Kilometre	Declarations	Paul Koot	Q1 and Q3

4. Calculated CO2 emissions

This chapter explains the calculated Green House Gas emissions (GHG emissions for short). The Green House Gas Protocol distinguishes between different scopes based on the origin of the greenhouse gas. This creates a so-called 'greenhouse gas inventory' of the Organisation that can be quantified and managed. In other words, the CO2 emissions released by our own activities. The next section shows the 2022 CO2 footprint.

Clarksons' direct and indirect GHG emissions amounted to 133.5 tonnes of CO2 in 2022. Of this, 89 tons of CO2 was caused by direct GHG emissions (scope 1), 35.2 tons of CO2 by indirect GHG emissions (scope 2) and 11.5 tons of CO2 by Business Travel.

OVERVIEW CO ₂ EMISSIONS, ENTIRE ORGANISATION			2022	WHOLE YEAR
EMISSION CURRENT SCOPE 1	NUMBER	UNIT	CONVERSION FACTOR	EMISSION (tons CO ₂)
Gas consumption	13.657	m ³	2.085	28,5
Fuel consumption of assets - diesel	11.070	litre	3.262	36,1
Fuel consumption fleet-diesel	1.692	litre	3.262	5,5
Fuel consumption fleet - petrol	6.782	litre	2.784	18,9
			Total scope 1	89,0
EMISSION CURRENT SCOPE 2	NUMBER	UNIT	CONVERSION FACTOR	EMISSION (tons CO ₂)
Electricity consumption – gray power	63.409	kWh	523	33,2
Electricity consumption – green power	13.112	kWh	0	-
Electricity consumption - cars	3.806	kWh	523	2,0
			Total scope 2	35,15
EMISSION CURRENT BUSINESS TRAVEL	NUMBER	UNIT	CONVERSION FACTOR	EMISSION (tons CO ₂)
Business travel- declared kilometres	41.027	km	193	7,9
Business travel- public transport	0	km	0	-
Air travel <700 km	6.054	km	234	1,4
Air travel 700-2500 km	0	km	172	-
Air travel >2500 km	0	km	157	-
			Total business travel	9,3
TOTAL EMISSIONS SCOPE 1, 2 AND BUSINESS TRAVEL				133,5

Table 3: CO2 emissions 2022 (in tonns CO2)

5. CO2 reduction measures

SCOPE 1	
Measures gas consumption	Reduction on current
Comply with EML measures list and energy label legislation	5%
Making the building Het Nieuwe Diep in Den Helder more sustainable	25%
Measures fuel consumption	Reduction on current
Phased replacement of diesel forklift trucks with electric ones	57%
Phased replacement of petrol/diesel cars with electric ones	75%
SCOPE 2	
Measures electricity usage	Reduction on current
Comply with EML measures lists and energy label legislation	-
Buy 100% green energy	100%
Installation of solar panels	-

6. Objectives

The Organisation has set the goal of achieving the following CO2 reduction in the coming years, measured from the reference year to the year of reassessment.

SCOPE 1 EN 2 OBJECTIVE
Clarksons wants to emit 40% less CO ₂ in 2026 compared to 2021

This objective is related to the number of FTE.

YEARLIE OBJECTIVE SCOPE 1 AND 2	
2022	-5%
2023	-10%
2024	-25%
2025	-30%
2026	-40%

6.1. Sub-objectives

These objectives are for 2026 compared to 2021.

SUB-OBJECTIVES		
	OBJECTIVE	STATUS
Scope 1	30%	A slight increase in 2022, but a reduction of 24% has already been achieved in 2023.
Scope 2	10%	Increased due to extra power consumption, it will decrease sharply when purchasing green energy.
Business travel	0%	Increase due to more business kilometres, more staff and the takeover.
Green energy	100%	Switch to green energy from 2025.
Alternative fuels		Clarksons wants at least 50% of its fleet and equipment to be electrically powered by 2026.
Energy usage		Reduction of 5% on gas consumption.

7. Progress

	2021	2022
	Whole year	Whole year
Absolute progress	100%	124%
Progress scope 1	100%	121%
Progress scope 2	100%	113%
Progress business travel	100%	124%
Achieved sales volume	21.303.200	31.500.000
Emissions of key figure	0,00	0,00
Relative progress sales volume	100%	84%
Number of FTE	36	43
Emissions of key figure	2,99	3,10
Relative progress FTE	100%	104%

In 2022, Clarksons emitted more than in the reference year, which can be explained by the increase in FTEs, and also by pre-corona years, which increased business travel. To be able to carry out all the work, Clarksons has also purchased a number of additional diesel equipment, which will be replaced by electric variants in 2023. In absolute terms, this amounts to 24% extra emissions compared to 2021, if you compare this with FTE, only 4% more has been emitted.

8. Participation in sector and chain initiatives

The idea behind participating in an initiative is that information can be exchanged through interaction with other companies and new ideas and developments in the field of CO2 reduction can be achieved in collaboration. Based on this goal, the standard requires active participation, for example through working groups. Reports of meetings and of consultation moments and presentations of the company in the working group can serve as proof of active participation to the auditor.

If an initiative in which one participates is no longer relevant to the company at a certain point (when no progress in the initiative or active participation can be demonstrated for six months or more) and participation is terminated, an inventory of the initiatives can be used. as a source for choosing to participate in another initiative.

8.1. Ongoing initiatives

Stichting Positieve Impact

The Organisation participates in the "Stichting Positieve Impact". This initiative focuses on inspiring participants, increasing knowledge about CO2 reduction options and expanding a sustainable network. Through four-yearly programs and facilitating working group meetings. To prove this participation, the following documents are kept:

- Attendance lists
- Reports from the working groups

WindDay 2022

During WindDay there are several keynote speakers who share their vision and knowledge about wind energy. In addition, there are a lot of interactive sessions together to get started on finding concrete solutions. So that you have tools to take steps in the transition.

AYOP

Amsterdam IJmuiden Offshore Ports is an association with more than 120 members. All companies and governments active in the offshore oil & gas and wind energy sector in the North Sea Canal area. AYOP creates sustainable economic growth and employment for our members by making our network function as an ecosystem.

9. Disclaimer & Colophon

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