



CO₂ -Performanceladder Communication Report 2024

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Publication date: 01-11-2024

Version: 1.0

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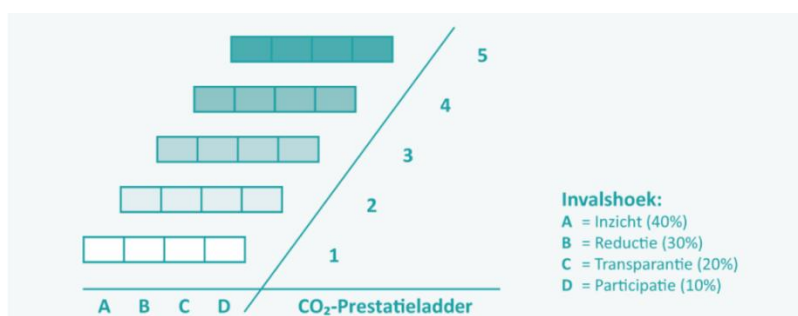
1. Introduction to the CO₂ performanceladder

The CO₂ Performanceladder is a management tool that helps organizations reduce CO₂ emissions, save energy, and use more renewable energy. It encourages continuous improvement in emissions tracking, reduction efforts, communication, and collaboration. This system also structures sustainability reporting and internal processes. Beyond supporting sustainability, it provides opportunities for engaging stakeholders, standing out from competitors, saving costs, and ensuring legal compliance. Certification on the CO₂ Performanceladder can also boost an organization's chances of winning contracts, particularly in public tenders, as it rewards greater CO₂ reduction efforts.

The CO₂ Performanceladder has five levels, with levels one, two and three focusing on one's own organisation and levels four and five stepping up to the organisation's supply chain. To climb the ladder to the next level, all mandatory standard requirements of underlying levels must be met. Each level includes the following four perspectives:

- A. Insight** makes an organisation aware of its own CO₂ performance, the risks and opportunities, provides the organisation with information it can use to formulate effective targets and measures to reduce CO₂ emissions, and where communication and cooperation should focus. Insight A encourages organisations to know their own emissions and in the chain. The organisation achieves continuous improvement in the depth, scope and efficiency of insight and quality of the emissions inventory.
- B. Reduction** creates opportunities for reducing energy consumption and CO₂ emissions, and promotes cooperation so that the most efficient options for reduction in the chain are addressed. The organisation achieves continuous improvement in the efficiency of measures, in setting and achieving targets and demonstrating progress on targets and measures.
- C. Transparency** encourages creative employee engagement. Organisations also know of each other's efforts, and an organisation can be held accountable by others for its ambitions and progress. The organisation achieves continuous improvement in the depth and spread of communication and in incorporating input from internal and external stakeholders.
- D. Participation** lets an organisation invest in collaboration, sharing its own knowledge and, where possible, using knowledge developed elsewhere. The organisation achieves continuous improvement in selecting useful initiatives and applying the knowledge in the organisation.

A recognised certifying body assesses the activities and determines the level of the CO₂ Performanceladder. This requires steps to have been taken on all angles of the ladder. The figure below shows the above text schematically with the corresponding weighting of the angles for certification (source: Handboek CO₂ -Prestatieladder 3.1, SKAO).



2. Tasks for energy management

To maintain the CO2 Performance Ladder, actions, schedules and responsibilities have been invested within the organisation. These are presented in this chapter.

2.1 Steering Cycle

Level	Angle	Action	Frequency	Planning	CO2 Project Manager	Communication	Management
CROSS-PHASE							
General		Meet continuous improvement according to the steering cycle	Continuous	Ongoing	x		
General		Comply with project requirements	Continuous	Ongoing	x		
General		Comply with mandatory internet publication on the SKAO website	Yearly	October	x		
General		Comply with contribution obligations to the SKAO	Yearly	October	x		
PLAN							
2	C	Update steering cycle and TVB matix	Yearly	May	x		
3	B	Update and approve energy management action plan	Half-yearly	May and October	x		
2	C	Internal and external stakeholders update	Yearly	May	x	x	
3	C	Update communication plan	Yearly	May	x	x	x
General		Update organizational boundary	Yearly	May	x		x

General		Update organizational size	Yearly	May	x		
General		Schedule internal audit	Yearly	May	x		
General		Schedule external audit with certifying body	Yearly	November	x		
1	A	Update list of energy flows	Half-yearly	May and October	x		
3	A	Update CO2 emission factors	Yearly	May	x		
3	B	Update scope 1 and 2 action plan	Half-yearly	May and October	x		x
3	B	Update SKAO list of measures and ambitions.	Yearly	May	x		
3	B	Update scope 1 and 2 objectives	Half-yearly	May and October	x		
1	D	Review the current initiatives	Yearly	May	x		x
General		Update supply chain analysis	Half-yearly	May and October	x		
General		Investigate the gap and requirements for handbook 4.0	Yearly	May	x		
2	D	Review the plan for participation in the current initiatives	Yearly	May	x		x
		DO					
2	A	Collect data for the CO2 emissions inventory	Yearly	May	x		
3	A	Prepare emissions inventory reporting	Yearly	May	x		
2	A	Conduct energy assessment	Yearly	May	x		
3	B	Execute action plan	Continuous	Ongoing	x		
3	B	Determine progress for scope 1 and 2	Yearly	May and October	x		
3	C	Implement communication plan	Half-yearly	May and October	x		x
3	D	Attend initiatives	Half-yearly	May and October	x		
General		Update project file	Half-yearly	May and October	x		
General		Conduct an investigation for supply chain CO2 emission	Yearly	May	x		
General		Investigate the gap & requirements for handbook 4.0	Yearly	May	x		

CHECK							
3	A	Conduct quality control of emissions inventory reporting	Yearly	Oktober	x		
3	B	Evaluate progress of action plan	Half-yearly	May and October	x		x
3	B	Evaluate progress of objectives	Half-yearly	May and October	x		x
3	C	Evaluate implementation of communication plan	Half-yearly	May and October	x		x
3	D	Evaluate attendance at initiatives	Yearly	October	x		x
General		Evaluate progress of supply chain analysis	Yearly	May	x		
General		Evaluate the efforts and resources needed to close the gaps for handbook 4.0	Yearly	May	x		
General		Conduct internal audit	Yearly	October	x		
General		Conduct external audit	Yearly	October	x		
ACT							
General		Remedy corrective actions from internal audit	Yearly	October	x		
General		Correct deviations from the external audit	Yearly	November	x		
General		Adjust points of attention from the "check" phase	Continuous	Ongoing	x		
General		Include required budgets in the management review	Yearly	October	x		
General		Conduct management review including inclusion of outstanding action items	Yearly	October	x		x

2.2 Data collection

Emission Flow	Unit	Source of data	Executor	Data quality improvement plan
Property	m3	Meter readings/bills	CO2 Project Manager (Bryan Hendriwan)	Use smart meter and online dashboard from energy provider.
Diesel	liter	Invoice/tank card reporting	CO2 Project Manager (Bryan Hendriwan)	
Propane		Invoice/tank card reporting	CO2 Project Manager (Bryan Hendriwan)	
Diesel	liter	Tank card reporting	CO2 Project Manager (Bryan Hendriwan)	
Gasoline		Tank card reporting	CO2 Project Manager (Bryan Hendriwan)	
Electricity	kWh	Tank card reporting	CO2 Project Manager (Bryan Hendriwan)	
Diesel	liter	Invoice/tank card reporting	CO2 Project Manager (Bryan Hendriwan)	
Propane		Invoice/tank card reporting	CO2 Project Manager (Bryan Hendriwan)	
Electricity	kWh	Invoice/tank card reporting	CO2 Project Manager (Bryan Hendriwan)	
Property	kWh	Meter readings/bills	CO2 Project Manager (Bryan Hendriwan)	Use smart meter and online dashboard from energy provider.
Personal vehicle	km	Declarations	CO2 Project Manager (Bryan Hendriwan)	

Public transport		Declarations	CO2 Project Manager (Bryan Hendriwan)	
Airplane	km	Declarations/invoices	CO2 Project Manager (Bryan Hendriwan)	Use online dashboard to track business travel by airplane from travel provider.

3. CO2 reduction targets and progress

The targets below are based on CO2 reduction measures that can be found in the action plan in the Excel document 'Actions, planning and responsibilities'. This also contains the calculations of the scope 1, 2 and business travel targets.

3.1 Targets scope 1 and 2

3.1.1 Main Objectives

MAIN OBJECTIVE SCOPE 1 AND 2	
J. de Jonge Group aims to emit 26% less CO ₂ by 2027 compared to 2022	

This target is related to turnover.

ANNUAL OBJECTIVE SCOPE 1 AND 2	
2023	13%
2024	19%
2025	21%
2026	25%
2027	26%

3.1.2 Sub-objectives

SUB-OBJECTIVES	
	OBJECTIVE
Scope 1	11%
Scope 2	14%
Business travel	1%

3.1.3 Energy reduction target

The organisation has a reduction target in energy consumption of 7% by 2027 compared to 2022 in scope 1 and 2.

4. Plan of action

4.1 Measures, planning, deadline and responsibilities

CO2 reduction measures	Start	Deadline	Planning	Respondent	Resources needed	Status
Scope 1 - Natural gas consumption						
Possible replacement of old boiler for more sustainable alternative on Koningin Wilhelminahavenweg	2023	2025	Q2	Management	Investment	Cancelled ^[1]
Moving temperature gauge indoors so heating switches on when indoor temperature drops instead of outdoor temperature	2023	2023	December	Management	Time	Done
Installing radiator foil in real estate Vlaardingen and Amsterdam	2023	2024	Q1	Management	Time and Investment	Cancelled ^[1]
Seam and crack sealing (draught strips)	2023	2024	Q1	Management	Time and Investment	Cancelled ^[1]
Reduce natural gas consumption by using air conditioners (powered by electricity)	2023	2023	Continuou s	Management	Investment	Done
Make employees more aware of gas consumption	2023	2023	Continuou s	Management	Time	On going
Lower the heating by one degree	2023			Management	Time	Done
Turn down the temperature setting and keep hall door closed during and open it when needed (HES workshop).	2024	2025	Q1	Management	Time	On going
Investigate for switching to biogas	2024	2025	Q4	Management	Investment	To be started
Fully use electric heat pumps in the new building	2027	2027	Q1	Management	Investment	To be started

Scope 1 - Fuel consumption						
Car policy for passenger cars: mild hybrid, plug-in hybrid or electric	2023	2023/2024	Q2	Fleet manager (Diana)	Investment	Done
Create awareness about tyre pressure and fuel-efficient driving	2023	2023	Continuou s	CO2 Project manager	Time	On going
Investigate biodiesel as an alternative to regular diesel	2023	2024	Q1	CO2 Project manager	Time	To be started
Encourage employees to meet online as much as possible	2023	2024	Q1	CO2 Project manager	Time	On going
Phase out vans with an environmental classification lower than Euro 6	2023	2023	Started	Fleet manager (Diana)	Investment	Done
Scope 2 - Electricity consumption						
Switching to Dutch green electricity (Vlaardingen and Amsterdam)	2023	2023		Diana	Investment	Done
Switch to LED lighting Vlaardingen	2023	2023/2024		Management	Time and Investment	On going
Employee awareness of electricity savings	2023	2023/2024	Q4	Management	Time	Done
Business travel						
Encouraging employees to carpool	2023	2024	Continuou s	Management	Time	On going
Encouraging employees to travel by public transport	2023	2024	Continuou s	Management	Time	On going
Make air travel only if necessary	2023	2025	Continuou s	Management		On going

Footnotes:

[1] The management reconsider this action to avoid investment in the current facility. New building facility will be climate neutral, 100% equipped with electric heating pumps. See: MOM - Koggehaven visit in January 2024

4.2 Quantitative reduction progress in 2023

CO2 reduction measures	Target reduction on emission stream (in 2022)	Actual reduction on emission stream (by 2023)	Target energy reduction on gas consumption (in 2022)	Actual energy reduction on gas consumption (by 2023)
Scope 1 - Natural gas consumption				
Possible replacement of old boiler for more sustainable alternative on Koningin Wilhelminahavenweg	0.42%	Cancelled	0%	Cancelled
Moving temperature gauge indoors so heating switches on when indoor temperature drops instead of outdoor temperature	0.25%	0.2%	0%	1.5%
Installing radiator foil in real estate Vlaardingen and Amsterdam	0.66%	Cancelled	10.0%	Cancelled
Seam and crack sealing (draught strips)	0.26%	Cancelled	4.0%	Cancelled
Reduce natural gas consumption by using air conditioners (powered by electricity)	n/a	0.5%	0%	4.3%
Make employees more aware of gas consumption	0.04%	0.04%	0%	0%
Lower the heating by one degree	0.26%	0.2%	4.0%	1.5%
Turn down the temperature setting and keep hall door closed during and open it when needed (HES workshop).	2.5%	<i>To be started</i>	4.0%	<i>To be started</i>
Investigate for switching to biogas	3.9%	<i>To be started</i>	-	-
Fully use electric heat pumps in the new building	1.4%	<i>To be started</i>	-	-

Scope 1 - Fuel consumption				
Car policy for passenger cars: mild hybrid, plug-in hybrid or electric	2%	1.4%	-	3%
Create awareness about tyre pressure and fuel-efficient driving	1%	<i>data not available</i>	-	-
Investigate biodiesel as an alternative to regular diesel	0%	3.4%	-	1.3%
Encourage employees to meet online as much as possible	0%	<i>data not available</i>	-	-
Phase out vans with an environmental classification lower than Euro 6	0%	1.4%	-	3%
Scope 2 - Electricity consumption				
Switching to Dutch green electricity (Vlaardingen and Amsterdam)	13%	17%	-	-
Switch to LED lighting Vlaardingen	1%	<i>data not available</i>	15%	<i>data not available</i>
Employee awareness of electricity savings	0%	<i>data not available</i>	-	-
Business travel				
Encouraging employees to carpool	0.001%	<i>data not available</i>	-	-
Encouraging employees to travel by public transport	0%	<i>data not available</i>	-	-
Make air travel only if necessary	0.05%	4.2%	-	-

4.3 Quantitative reduction targets

CO2 reduction measures	Start	Deadline	Current status	<i>(Adjusted targets based on updated 2022 baseline)</i>			
				Reduction on emission stream	Reduction on total	Reduction in tons	Energy reduction on total
Scope 1 - Natural gas consumption							
Possible replacement of old boiler for more sustainable alternative on Koningin Wilhelminahavenweg	2023	2025	Cancelled	Cancelled	Cancelled	Cancelled	Cancelled
Moving temperature gauge indoors so heating switches on when indoor temperature drops instead of outdoor temperature	2023	2023	Done	2.2%	0%	3.6	-
Installing radiator foil in real estate Vlaardingen and Amsterdam	2023	2024	Cancelled	Cancelled	Cancelled	Cancelled	Cancelled
Seam and crack sealing (draught strips)	2023	2024	Cancelled	Cancelled	Cancelled	Cancelled	Cancelled
Reduce natural gas consumption by using air conditioners (powered by electricity)	2023	2023	Done	0.5%	0.1%	0.8	-
Make employees more aware of gas consumption	2023	2023	On going	0.4%	0.04%	0.6	-
Lower the heating by one degree	2023		Done	2.3%	0%	3.7	1%
Turn down the temperature setting and keep hall door closed during and open it when needed (HES workshop).	2024	2025	On going	22.7%	2%	36.6	4%
Investigate for switching to biogas	2024	2025	To be started	58.9%	3.9%	94.9	-
Fully use electric heat pumps in the new building	2027	2027	To be started	13%	1.4%	20.8	-
Total Scope 1 - Natural gas consumption				100%	8%	160.9	5%

Scope 1 - Fuel consumption				Reduction on emission stream	Reduction on total	Reduction in tons	Energy reduction on total
Car policy for passenger cars: mild hybrid, plug-in hybrid or electric	2023	2023/2024	Done	2.5%	1.8%	20.4	-
Create awareness about tyre pressure and fuel-efficient driving	2023	2023	On going	0.8%	0.6%	6.8	-
Investigate biodiesel as an alternative to regular diesel	2023	2024	On going	0.0%	0%	0	-
Encourage employees to meet online as much as possible	2023	2024	On going	0.4%	0.3%	3.4	-
Phase out vans with an environmental classification lower than Euro 6	2023	2023	Done	0.0%	0%	0	-
Total Scope 1 - Fuel consumption				4%	3%	30.6	0%
Scope 2 - Electricity consumption				Reduction on emission stream	Reduction on total	Reduction in tons	Energy reduction on total
Switching to Dutch green electricity (Vlaardingen and Amsterdam)	2023	2023	Done	69.3%	12.7%	186.5	0%
Switch to LED lighting Vlaardingen	2023	2023/2024	On going	8.1%	1.5%	21.8	2%
Employee awareness of electricity savings	2023	2023/2024	Done	0.0%	0%	0.0	0%
Total Scope 2 - Electricity consumption				77%	14%	208.2	2%
Business travel				Reduction on emission stream	Reduction on total	Reduction in tons	Energy reduction on total
Encouraging employees to carpool	2023	2024	On going	0.5%	0.5%	0.016	-
Encouraging employees to travel by public transport	2023	2024	On going		0%	-	-
Make air travel only if necessary	2023	2025	On going	0.5%	0.5%	0.75	-
Total Business travel				1%	1.0%	0.76	0%

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Signature

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Characteristic:	CO ₂ -Performanceladder Communication Report 2024
Date:	01-11-2024
Version:	1.0
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