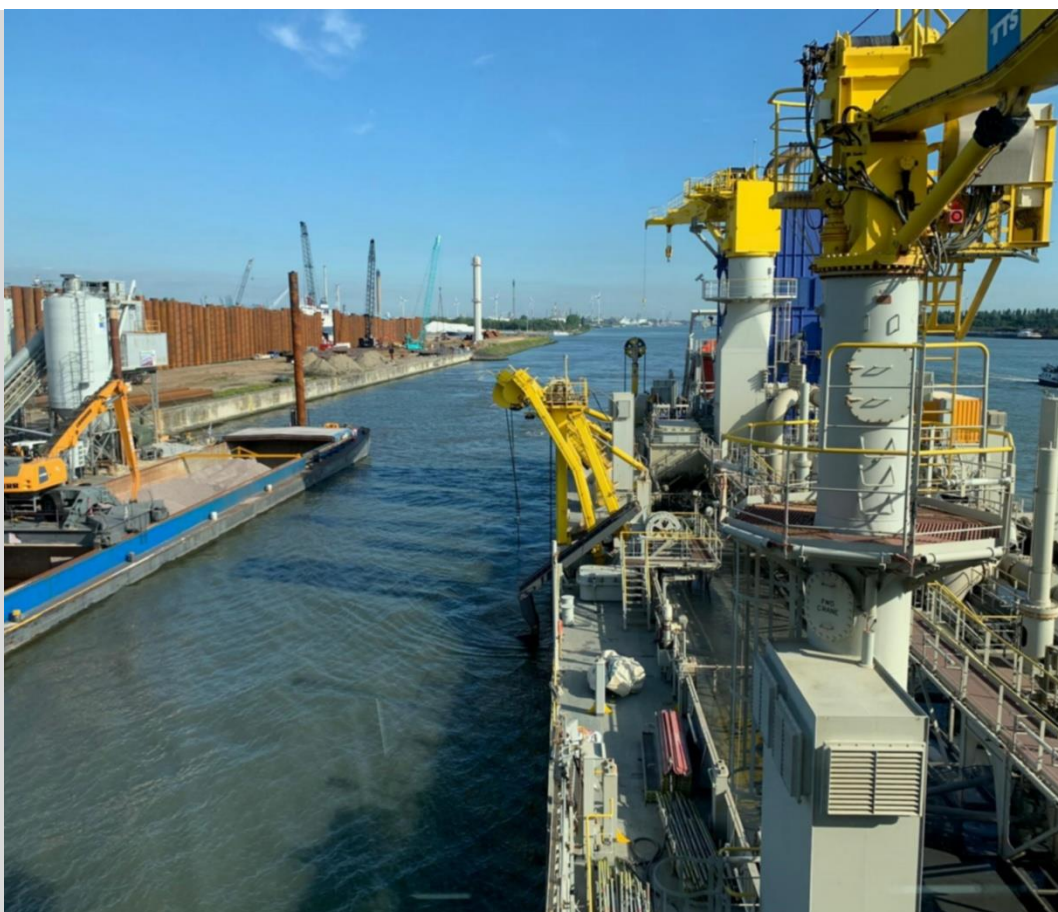


# PROJECT FILE

## SUSTAINABLE MAINTENANCE DREDGING WORKS IN THE MARITIME APPROACHES 2023



JANDENUL.COM

# Document control

## Document information

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<b>Author</b>	Lheureux Randi		

## Revision history

Revision	Date	Description and location of changes
00	11-Jan-2024	Initial version (H1 2023)
01	11-Jun-2024	Revision 2023

## Review and approval

Endorsed for application within Jan De Nul Group by	Date
Bart Praet	17-Jun-2024

## Reference documents

Reference	Title
<b>JDN controlled documents</b>	
	CO2-PL Certificate
<b>Standards</b>	
CO2 Performance ladder	Manual version 3.1

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# 1 Introduction

## 1.1 Project details

### ID data

Description	Performance of mainly maintenance dredging works using trailing suction hopper dredgers (TSHD) in maritime approaches in and towards the ports of Ostend, Zeebrugge and Antwerp, the maritime access on the North Sea, the maritime access of Wielingen to the sea lock at Wintam, in the maritime approaches to the Canal Ghent-Terneuzen.
Specification N°	MT/02554
Client	Flemish Authority Department Mobility and Public Works Maritime Access
Tender date	31.8.2021
Award date	13.10.2021 (Start works 16.01.2022)
Implementation period	16.01.2022 – 15.07.2027 (48 months)
Estimated value excl. VAT	The estimated value was not mentioned in the announcement of the contract
What part did CO2PL play in the tender	An award criterion sustainability and innovation accounted for 15/100 points in the award of the contract: <ul style="list-style-type: none"> <li>• Emission parameters CO<sub>2</sub>, nitrogen, dust particulates and sulphur (12/15)</li> <li>• Tier standardisation (2/15)</li> <li>• CO<sub>2</sub> performance ladder level (1/15)</li> </ul>

## 1.2 Parties involved

Jan de Nul nv have a share of 50% in main contractor 'TMSZ' (Tijdelijke Maatschap Schelde & Zee) for this project and are responsible for:

- Deployment of TSHD and crew transfer vessel;
- Deployment of deep bucket-chain dredger;
- Project management and day-to-day supervision.

No sub-contractors are contracted.

## 2 Insight

### 2.1 Identification of energy and emission flows

List of material energy/emission flows

#### Scope 1 (Fuel consumption)

<i>TSHD</i>	6.01.2023 – 23.01.2023 Q1-2023
<i>TSHD</i> <i>Crew transfer vessel</i>	23.01.2023 – 23.12.2023 (Q1 to Q4-2023)
<i>Deep bucket-chain dredger</i>	09.01.2023 – 20.01.2023 13.02.2023- 17.03.2023 22.05.2023- 12.07.2023 1.08.2023-7.09.2023 (Q1 to Q4-2023)

#### Scope 2 (Electricity consumption, heating)

Electricity consumption of site shacks	Office at Desteldonk
Natural gas consumption of site shacks	Office at Desteldonk
Electricity consumption at the jetty	Zeebrugge

#### Scope 3

None	
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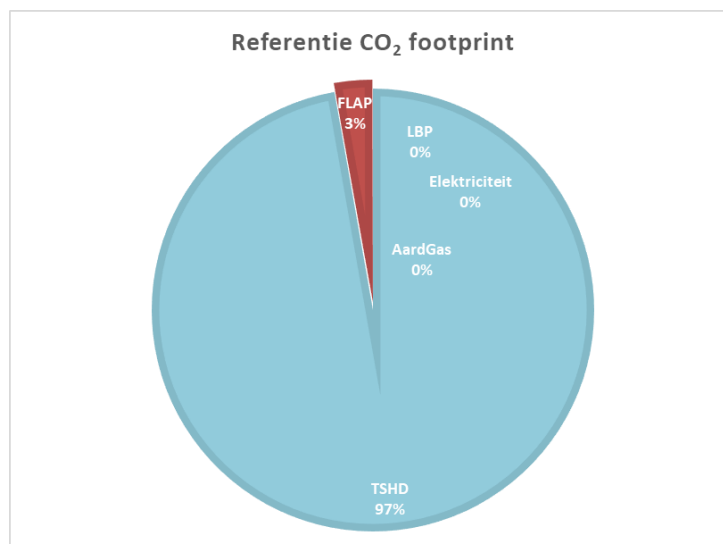
List of excluded energy/emission flows

Energy flow	Reason
Car transport (implementation)	Is recorded at corporate level and included in the communal parts
Car transport (crew)	Is recorded at corporate level and included in the communal parts
Airmiles (crew)	Is recorded at corporate level and included in the communal parts
Natural gas consumed in supporting department (e.g. offices in Aalst)	Is recorded at corporate level and included in the communal parts

## 2.2 CO<sub>2</sub> footprint and trends

### 2.2.1 Reference CO<sub>2</sub> footprint

On the basis of calculation at tendering, a reference CO<sub>2</sub> footprint was established:

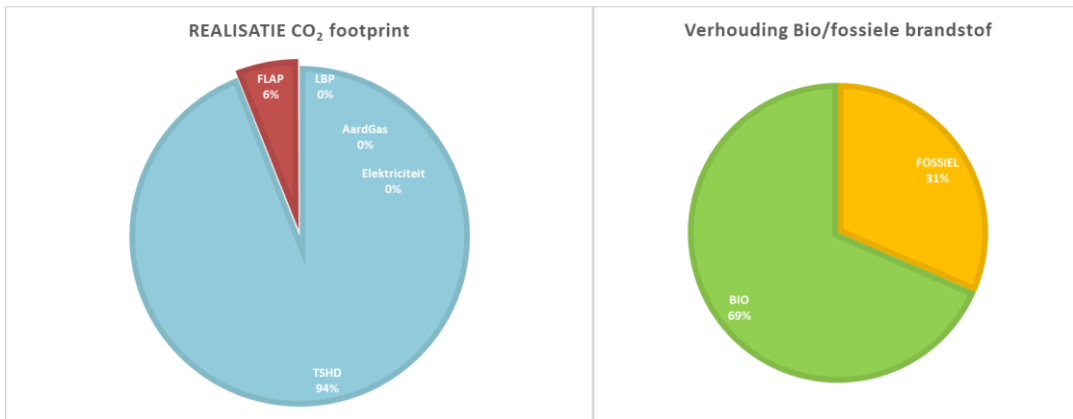


The total reference CO<sub>2</sub> footprint for this deployment period (Q1 – Q4 2023) is 22,028 tonnes CO<sub>2e</sub>.

### 2.2.2 Actual project CO<sub>2</sub> footprint

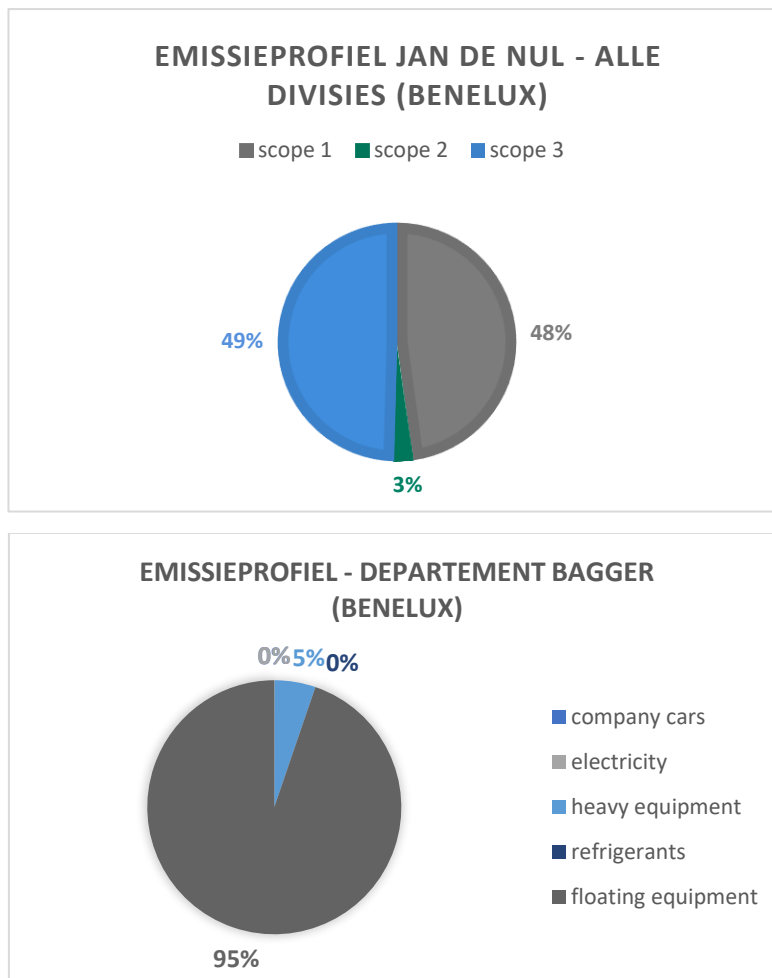
The actual CO<sub>2</sub> emissions amount to **8,366 tonnes CO<sub>2e</sub>**, i.e. **62 % lower** than the reference CO<sub>2</sub> footprint and we achieved this through;

- Use of biofuels
- Operational optimisations



## 2.2.3 Comparison emission profile organisation – project

### 2.2.3.1 Organisation's emission profile



Significant differences:

- No scope 3 emissions for the project, compared to the organisation's emission profile for all divisions combined.

- The CO2 footprint of the project consists for 100% of emissions from vessels. This is consistent with the emission profile of Jan De Nul Benelux 2023, Dredging Division, where 95% of the footprint is attributable to dredger emissions.

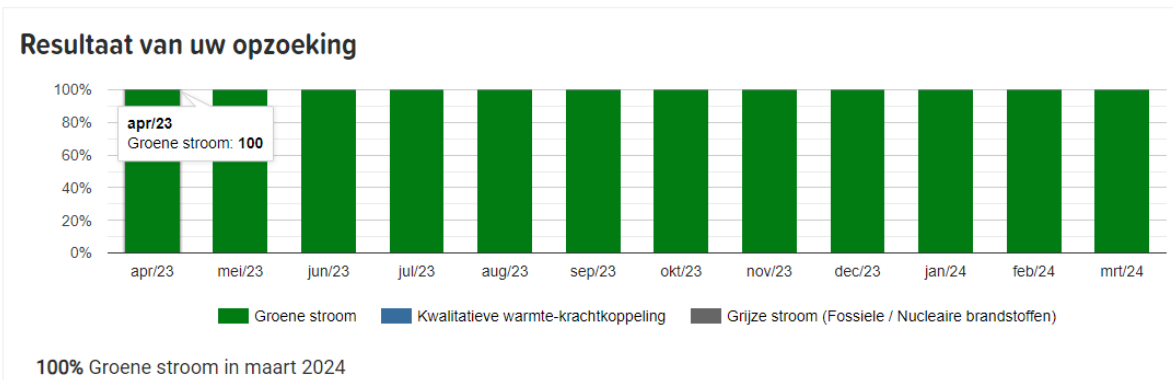
### 3 Reduction

#### 3.1 Measures applicable to this specific project

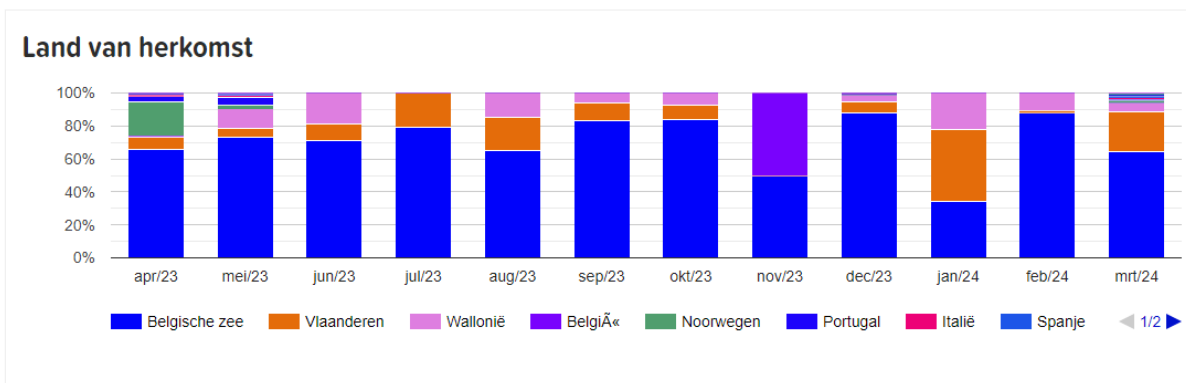
##### 3.1.1 The office and jetty are powered by green electricity:

### Groencheck – Is mijn groene stroom wel echt groen?

Uw EAN-code:



Uw EAN-code:





## Groencheck – Is mijn groene stroom wel echt groen?

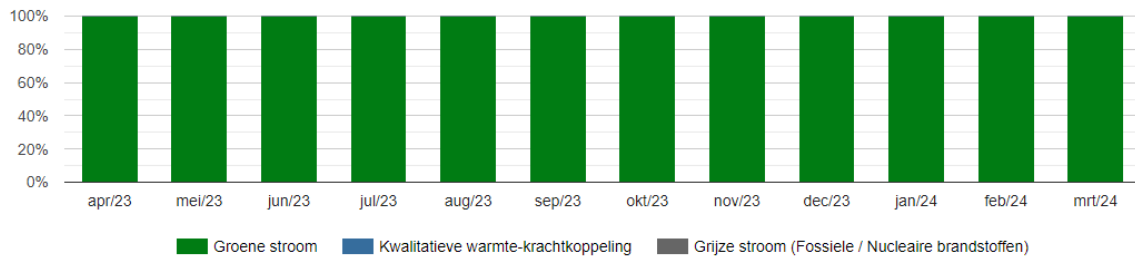
Uw EAN-code :

Overzicht

Land van oorsprong

Energiebron

### Resultaat van uw opzoeking



**100% Groene stroom in maart 2024**

In maart 2024 was uw percentage 100%. Uw leverancier diende voldoende garanties van oorsprong in als bewijs dat de elektriciteit die u verbruikte uit hernieuwbare energiebronnen kwam (zoals zon, wind, biogas, biomassa, waterkracht, ...).

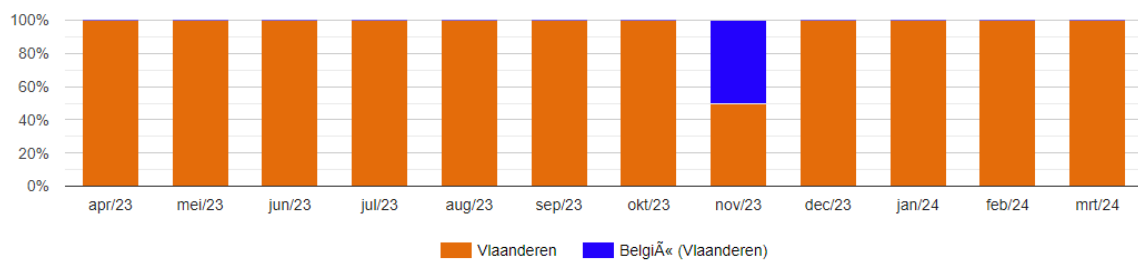
Uw EAN-code :

Overzicht

Land van oorsprong

Energiebron

### Land van herkomst



### 3.1.2 Crew transfer vessel fuel

For logistical and economic reasons, no biofuel is used for the crew transfer vessel.

## 4 Transparency

For the communication regarding CO<sub>2</sub> performances for the Benelux as a whole, please refer to the umbrella communication plan << CO2PL-Jan De Nul-3C2 –Communicatieplan>>.

Specifically for this project, communication about CO<sub>2</sub> performances is conducted both internally and externally. The form of communication, stakeholders, person responsible and frequencies are summarized in the tables below.

### 4.1 Internal

Communication form	Stakeholder	Person responsible	Frequency
Poster objectives	Project team	Project manager / site manager	Biannually
<b>Project induction</b>	Crew & Staff	Operator	At start of works
<b>Toolbox</b>	Crew & Staff	Operator	Biannually
<b>Monthly report</b>	Project team werf	Operator	Monthly
<b>BNL Project meeting</b>	Project team BNL	Operator	Biannually
<b>Feedback in steering group</b>	Steering group BNL BAGGER	Area Manager	6-weekly

### 4.2 External

Communication form	Stakeholder	Person responsible	Frequency
Annual Project Report	Client	Project manager	Annually
Publication of these project reports on the JDN website	Stakeholders	Project manager Energy & Emissions QHSE Advisor	Biannually*
Social media: LinkedIn, Instagram, Facebook	Stakeholders	Area Manager	Approx. 2x/project period

\*Note: Biannual frequency is maintained as long as activities can be reported. If no activities take place during a 6-month period, there is no reporting.