

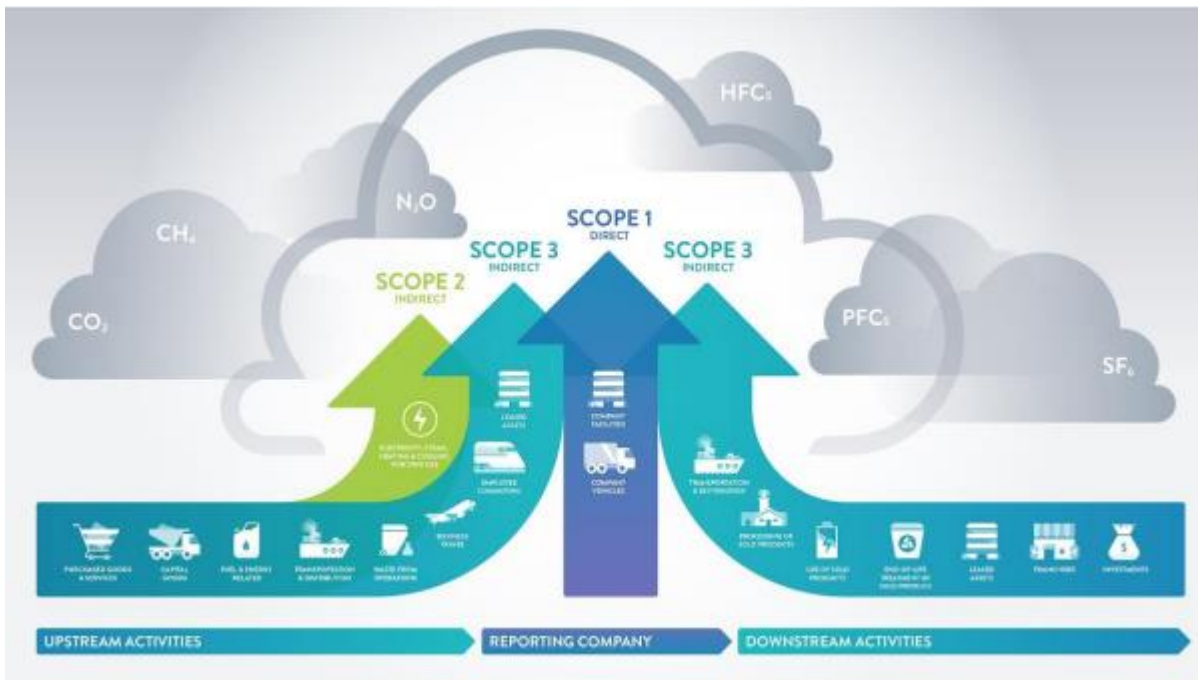
OUR CO2 FOOTPRINT 2024

1. Introduction

The CO2 footprint, also known as the 'Carbon Footprint', is the annual greenhouse gas emissions of an organization, particular activity, event, product or person. Greenhouse gases comprise the emissions that result from a (business) activity or the life cycle of a product. These emissions can be divided into:

- Scope 1: direct emissions from sources owned, or controlled, by the company (ex: fuel combustion)
- Scope 2: indirect emissions linked to energy (e.g.: purchase of electricity)
- Scope 3: indirect emissions (e.g.: purchase of materials, waste disposal, transport,...)

The following figure (source: GHG Protocol Corporate Value Chain Standard) gives an overview of the different types of emissions:



This document summarizes our 'Carbon Footprint Report', which was reviewed by Encon. The report includes a detailed overview of the carbon footprint of Gheys Transport & Logistics at organization level.

Conclusion of Encon: *The calculations already performed rely on a strong and structured basis: the data are unambiguously*

captured and processed and the calculations are done according to the best capability of GHEYS in accordance with the GHG Protocol Corporate Standard. The accuracy and quality of the calculations are rated high.

2. Methodology

Company name	Gheys Transport & Logistics.
Description of the organization	Gheys Transport & Logistics offers logistic services to international producers, distributors, traders and processors in order to enable them to focus on their core business. Gheys is located in the centre of the European petrochemical cluster, in the heart of the European consumer market, enjoying a world-class transport and logistic infrastructure.
Calculation according to following standard:	Greenhouse Gas Protocol - Corporate standard
Chosen consolidation approach	Operational control: This means that a company takes into account 100% of the emissions released by its activities over which it has control. A company is assumed to have operational control over an activity if the company has full authority to set and implement its operational policies for the activity
Description and address of the site(s)	<ul style="list-style-type: none"> • Gheys Transport,Zuiderring 102, 2400 Mol • Gheys Beheer, Zuiderring 102, 2400 Mol • Ghemotrans, Zuiderring 102, 2400 Mol • Belgian Logistic Center Site Mol, Zuiderring 102, 2400 Mol • Belgian Logistic Center Site Beringen, Industrieweg 158, 3580 Beringen • Belgian Logistic Center Site Genk, Geleenlaan 35, 3600 Genk • Kempisch Logistiek Platform, Zuiderring 102, 2400 Mol • Limburgs Logistiek Platform, Zuiderring 102, 2400 Mol • Kristotrans BV, Nieuwlandlaan 24, 3200 Aarschot • Witlox Logistics BV, Ambrosiusweg 15, 5081 NV Hilvarenbeek (Nederland)" • Belgian Cleaning Center, Industrieweg 156, 3583 Beringen • Gheys Energy, Zuiderring 102, 2400 Mol • Polish Logistic Platform, UL. STORRADY SWIETOSLAWY 1A/1B 43/45, P-71/602 SZCZECIN (Polen) • Gheys Qualy Storage, Zuiderring 102, 2400 Mol • Garage Gheys, Zuiderring 102, 2400 Mol
Description of inventory boundary	<p>The activities of Gheys Transport & Logistics which cause emissions can be summarized:</p> <ul style="list-style-type: none"> • Electricity consumption by: office activities, lighting and other technical installations; • Fuel consumption due to: use of trucks, heating of the buildings, processes, use of passenger cars and forklifts; • Disposal and treatment of waste; • Downstream transport: transport of the purchased product to the customer; • Purchase of capital goods; • Commuting; • Business travel; • End-of-life emissions of packaging materials; • Energy related upstream emissions
Analysed period	1/01/2024 - 31/12/2024.

3. CO2 Matrix

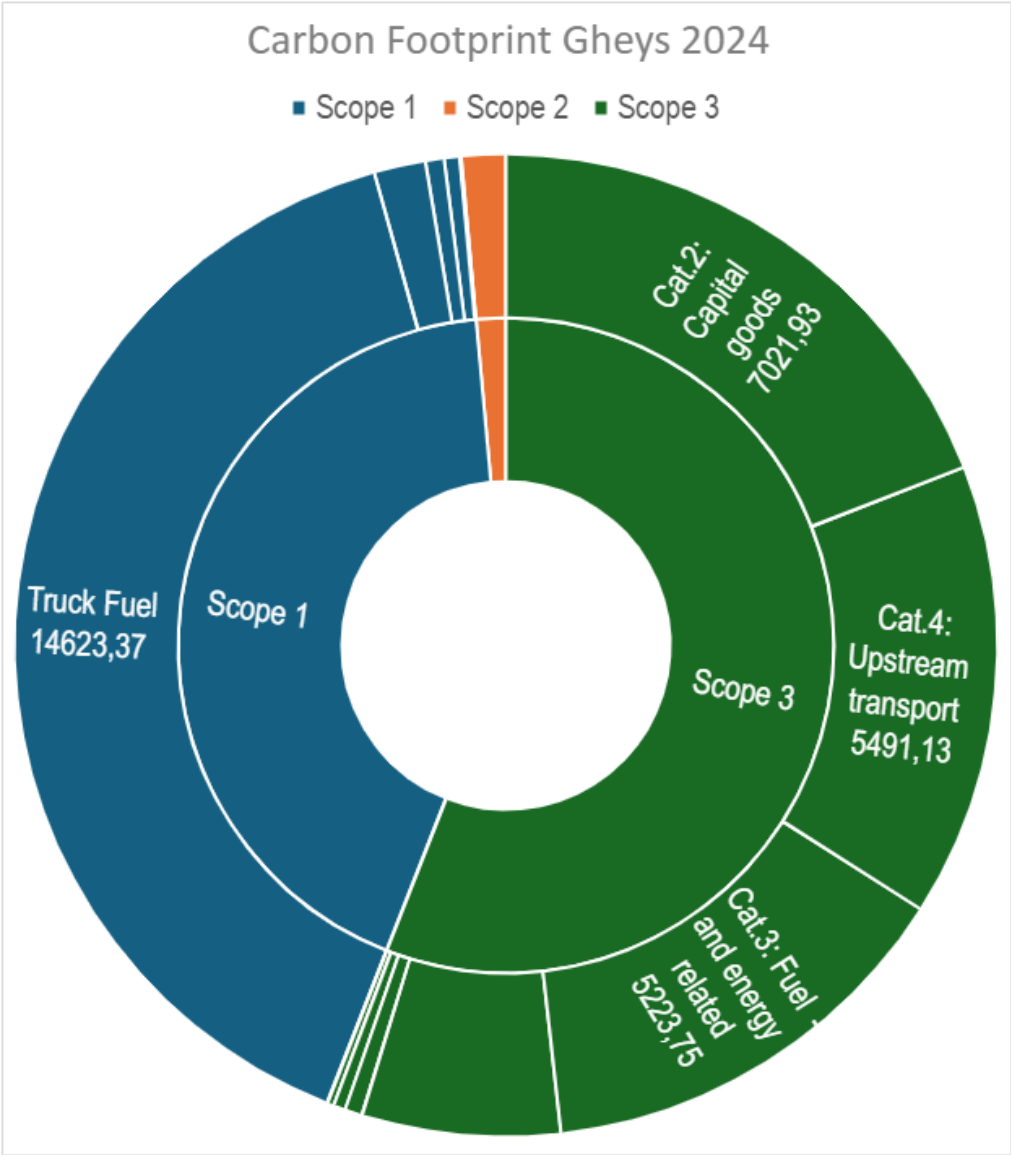
The CO2 matrix for Gheys Transport & Logistics reveals which emission sources are present at the site(s) (Scope 1 & 2 emissions) and which significant processes and emission sources are present in the upstream and downstream of the organization's chain of Gheys Transport & Logistics (Scope 3 emissions).

4. CO2 FOOTPRINT GHEYS TRANSPORT & LOGISTICS 2024.

All calculations are in line with the GLEC framework. The Global Logistics Emissions Council (GLEC) was established in 2014 as a voluntary partnership and has grown to more than 50 companies, industry associations and green freight programs, backed by experts, governments and other stakeholders. Together, they develop and implement global guidelines to calculate, report and reduce logistics emissions that work for industry. It is important to recognize that the GLEC Framework is not a formal standard that provides one, and only one, prescriptive step-by-step approach to the calculation and reporting of logistics emissions. Instead, the Framework provides boundaries for the emissions to be reported, base methodologies that can be used (with or without adaptation), considerations for the reporting process, and guidance on how to deliver the best output from the information available.

OVERVIEW 2024.

The figure below shows that 56% of the CO2 emissions are a result of transport activities. (Truck Fuel & Upstream Transport). Scope 2 Emissions are responsible for 1,8% CO2, an increase of 1,1% compared to 2023. This is due to the generation of green electricity by company owned wind turbines, the accelerated transition to electric forklifts and the replacement of gas-powered blowers with electric ones.



The table below shows the consolidated CO2 footprint of Gheys Transport & Logistics for the year 2024. There can be seen that scope 1 has an impact of 96,69% while Scope 2 has an impact of 3,31% on the Scope 1 & 2 CO2 Emissions of Gheys Transport & Logistics.

Scope	Tonnes CO2	% Scope 1+2
Scope 1	15.689,36	96,69%
Scope 2 – Market Based	537,38	3,31%
Total	16.226,74	100,00%

SCOPE 1

As already mentioned before, the scope 1 emissions comprise 96,69% of the total scope 1 & 2 carbon emissions of Gheys Transport & Logistics, or 15.689,36 in tonnes CO2e.

When we compare these emissions with the data of reference year 2022, we achieved a total CO2 reduction of 16,58% in scope 1. These improvements are largely attributable to the electrification of the Aerators and the Forklift fleet at BLC

Scope 1	Tonnes CO2 in ref.year 2022	Tonnes CO2 2024	% Reduction vs Ref. Year	% Distribution Scope 1
Stationary Emissions	1130,31	884,38	21,76%	5,64%
Mobile Emissions	17.677,16	14.804,98	16,25%	94,36%
Total	18.807,47	15.689,36	16,58%	100%

Important to note with this figure is that refrigerant leakage was not included in the calculation since it was not possible to collect this data. Within Gheys Transport & Logistics's processes, there are no chemical reactions that cause direct process emissions so this category will not affect the carbon footprint of Gheys Transport & Logistics.

SCOPE 2

The Scope 2 emissions are specifically linked to the purchased electricity for the entire electricity consumption of the site(s). The tables below show the impact connected to all purchased electricity of Gheys Transport & Logistics. The company produces electricity with wind turbines at their site in Beringen, causing a part of their electricity consumption to have no impact. The impact mostly comes from the purchase of grey electricity at the offices and the other sites.

Scope 2 emissions are reported using both the location-based and market-based methods to ensure compliance with reporting standards and provide a comprehensive view of our emissions profile. The market-based approach, on the other hand, accounts for the specific energy purchases made, such as renewable energy contracts, with a factor of 0,131 kg CO2e/kWh for 2024.

Scope 2 Market Based

Scope 2	Consumption	Tonnes CO2
Market Based	kWh	
Purchased Electricity	4.102.112,86	537,38
Own Produced Green Electricity	6.665.000,00	0,00
Total Emissions :		537,38

The location-based approach reflects the average emissions intensity of the grid where energy consumption occurs, with a factor of 0,104 kg CO2e/kWh for 2024.

Scope 2 Location Based

Scope 2	Consumption	Tonnes CO2
Location Based	kWh	
Purchased Electricity	4.102.112,86	426,62
Own Produced Green Electricity	6.665.000,00	0,00
Total Emissions :		426,62

Both emission factors were provided by AIB project of Europe for the residual mix.

SCOPE 3

Scope 3 emissions are usually more complex to assess correctly than scope 1 and scope 2 emissions. The scope 3 emissions include all emissions in the up- and downstream of an organization's value chain. Of the 15 different scope 3 emission categories, 8 categories turned out to be relevant. These are discussed in detail in this chapter. It is estimated that more than 67% of the total scope 3 impact was included in the calculation. The table below gives an overview of the different subcategories under the scope 3 emission category.

Scope 3	Tonnes CO2	%
Category 01: Purchased materials and services	2399,56	11,49%
Category 02: Capital goods	7021,93	33,62%
Category 03: Energy related activities, not included in scope 1 or 2	5.223,75	25,01%
Category 04: Upstream transport and distribution	5.798,15	27,76%
Category 05: Waste generated in operations	212,61	1,02%
Category 06: Business travel	4,65	0,02%
Category 07: Employee commuting	144,78	0,69%
Category 12: End of Life of packaging materials	79,26	0,38%
Total:	20884,69	100,00%

To differentiate upstream and downstream emissions, only category 12 is to be seen as downstream.

Scope 3	Tonnes CO2	%
Upstream emissions	20498,41	99,61%
Downstream emissions	79,26	0,39%
Total:	20577,67	100,00%

5. REPORTING ABOUT CO2

According to GLEC, emissions can be reported at two different levels.

- A total emissions value, which shows the scale of the overall impact, and
- An emission intensity value, which links the emission to the transport activity or amount of product shifted. In the case of Gheys Transport & Logistics, the emission intensity is calculated in terms of kg CO2e per € turnover.

Even when looking at the total emissions connected to all activities of Gheys Transport & Logistics, a specific layout that may be followed according to the GLEC framework is shown below:

CO2e-specific emission intensity connected to the total emissions of Gheys Transport & Logistics			
Total emissions	36.804,41 tonnes CO2e		
Emission intensity	0,393 kg CO2e/€ turnover		
CO2 emissions by scope	Scope	Tonnes CO2	% Scope 1+2+3
	Scope 1	15.689,36	42,28%

	Scope 2 – Market Based	537,38	1,45%
	Scope 3	20.884,69	56,28%
	Total:	37.111,43	100,00%
Input data types	Used data types: primary and secondary data.		
Supply chain coverage	It is assumed that at least 67% of the Scope 3 emissions are included in the calculation.		
Data verification statement	All data has been independently verified by a third party.		