

Lafitte Cork



# **CORPORATE CARBON FOOTPRINT**

Report for 2021

REPORT

# Corporate Carbon Footprint

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## Introduction

**This report presents the results of the monitoring of Lafitte Cork Portugal's carbon footprint for 2021. The Carbon Footprint Report supports the transparency policy advocated by Lafitte Cork, as it clearly shows the emissions for which it is responsible.**

Lafitte's carbon footprint calculation for the base year 2021 covered all major emission sources and complied with the information requirements defined by the Greenhouse Gases Protocol (GHG). The results obtained can thus be considered representative of Lafitte's operation in the period under analysis.



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## Glossary

**t CO<sub>2</sub>e**

Tonnes of carbon dioxide equivalent – the product of the multiplication of the tonnes of greenhouse gases emitted by their global warming potential.

**Direct emissions**

Those that occur in sources that are owned or controlled by Lafitte.

**Indirect emissions**

Those that result from Lafitte's activity but occur in third-party sources.

**F-gases**

Fluorinated gases.



# Carbon Footprint

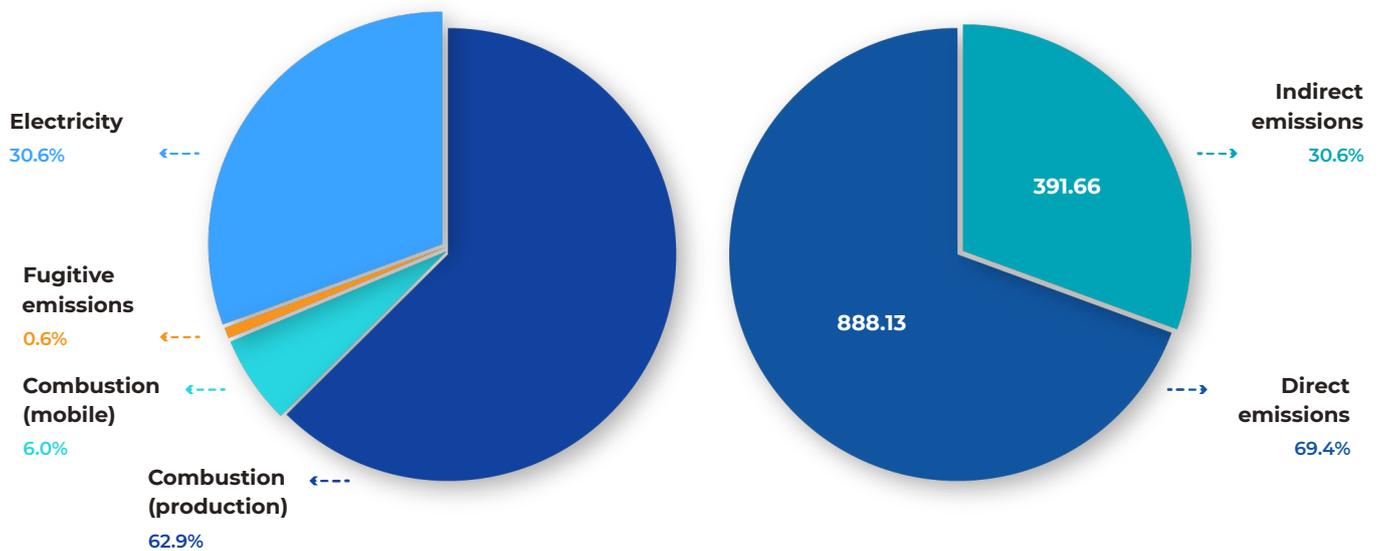
## Lafitte Cork Portugal

2021

Carbon emissions accounting covered all of Lafitte's operations in Portugal. All direct (scope 1) and indirect (scope 2) carbon emission sources were accounted for. Lafitte's operations are responsible – directly and indirectly – for the emission of several greenhouse gases (GHG or carbon), the most important of which is carbon dioxide (CO<sub>2</sub>).

The breakdown by emission sources shows the relevance of direct emissions associated specifically with fuel consumption in controlled fixed sources (805.36 tCO<sub>2</sub>e) and indirect electricity emissions in specific (391.66 tCO<sub>2</sub>e) for the total footprint.

### Emissions by source



In 2021, Lafitte Cork Portugal's total carbon footprint was **1283.94 t CO<sub>2</sub>e**.

This footprint is equivalent to:



**9.27 t CO<sub>2</sub>e**  
per employee



**6 return trips**  
between Lisbon and London  
per employee



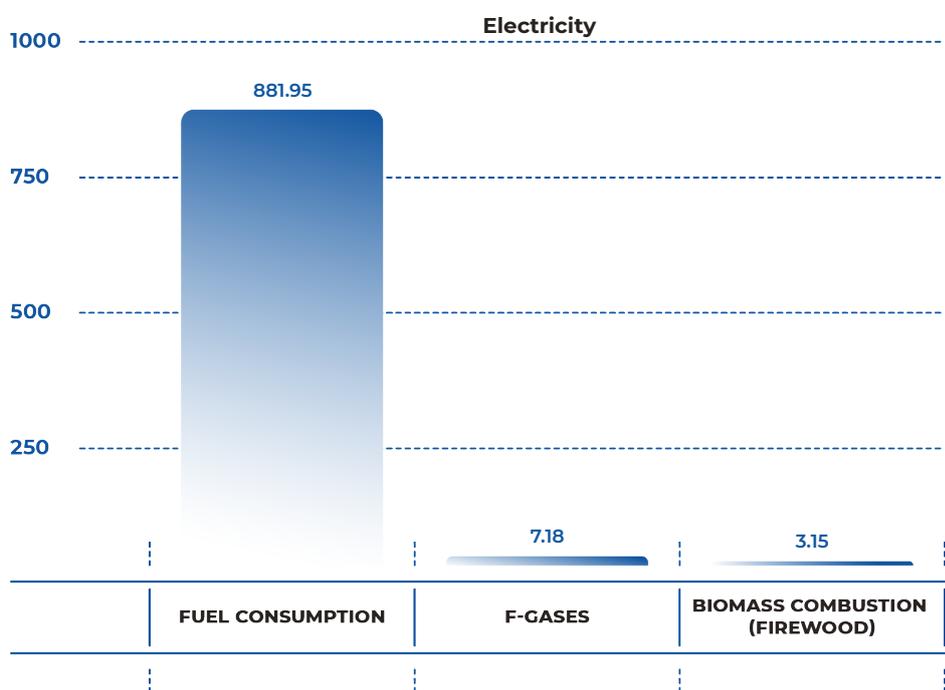
**184 laps**  
around the world by car

Lafitte's emissions result mainly from **fuel consumption at the facilities and by the fleet** of vehicles, **energy consumption** at the facilities and the amount of **f-gases** in air conditioning and refrigeration equipment.

## DIRECT EMISSIONS

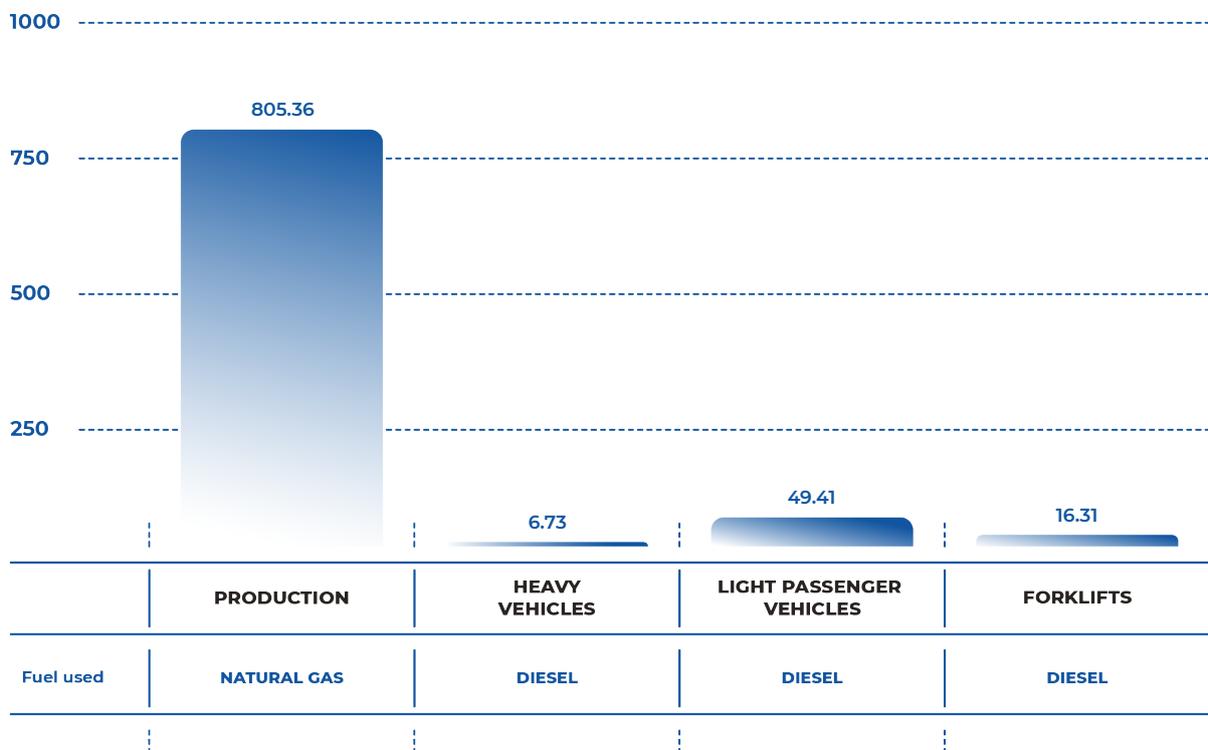
Lafitte Cork Portugal's direct emissions are divided into three main groups: fuel consumption, fluorinated gases and biomass combustion.

### Direct emissions (t CO2e)



Among these three groups, fuel consumption is the most predominant. For the most part, this value results from the fuel used during production, which, in this case, is natural gas. This fuel is used in processes inherent to the manufacture of cork stoppers, such as heating water boilers and cork boiling tanks and operating steam generators and the oven.

### Emissions resulting from fuel consumption (t CO<sub>2</sub>e)



Fugitive emissions – represented by f-gases – arise from air conditioning, heating and ventilation systems. Leaks are mostly (81%) of R410A. The direct emissions associated with biomass combustion are related to the consumption of firewood necessary to the functioning of the generator for steam production, this being the least significant source of direct emissions.

### INDIRECT EMISSIONS

As only scope 2 was assessed – i.e. indirect GHG emissions arising from the production of electricity consumed by the company – this is the only known value relating to Lafitte Cork Portugal's indirect emissions.

These emissions, which arise from electricity consumption for lighting and electrical equipment operation on the premises, amount to **391.66 t CO<sub>2</sub>e**.

## ANNEXES

### Annexe 1

Total emissions by source (categories)

CRITERION	EMISSIONS (t CO <sub>2</sub> e)
Direct emissions - scope 1	884,98
Stationary sources: biomass	3,15
Indirect emissions - scope 2	391,66
<b>TOTAL</b>	<b>1283,94</b>

## Annexe 2

### Total emissions by source (subcategories)

GHG EMISSIONS SUBCATEGORY	EMISSION SOURCE	ACTIVITY DATA (DESCRIPTION)	ACTIVITY DATA (UNIT)	ACTIVITY DATA (2021)	t CO2e
Direct emissions associated with fuel consumption by controlled fixed sources	- Thermal oil boiler; - Water boiler; - Cork boiling tank; - Steam generator + Oven	Natural gas consumption	kWh	3967870	805,36
Direct emissions associated with fuel consumption by mobile sources	Heavy vehicles	Diesel consumption	L	2679,47	6,73
Direct emissions associated with fuel consumption by mobile sources	Light passenger vehicles	Diesel	L	19667,37	49,41
Direct emissions associated with fuel consumption by mobile sources	Light passenger vehicles	Km travelled	Km	24579	4,14
Direct emissions associated with fuel consumption by mobile sources	Forklifts	Diesel	L	6491	16,31
Direct fugitive emissions - Fire fighting system	CO2 fire extinguishers	Use of CO2 fire extinguishers	Kg	0	0
Direct emissions - HVAC system	Air conditioning, heating and ventilation	R410A leakage	Kg	2,8	5,85
		R32 leakage	Kg	1,97	1,33
Indirect emissions associated with the consumption of imported/acquired electricity	Lighting, electrical equipment	Electricity consumption	kWh	2536032	391,66
Direct emissions associated with fossil or biomass combustion	Stationary sources	Firewood consumption (for direct burning in the generator for steam production)	Ton	50,9	3,15

