

# 2021 GHG Assessment

## Greenhouse Gas Assessment Certificate

Cert. Reference: -0-CT Date of Certificate: 27-02-2024

Company ID: **ORG-0**

**TOTAL GREENHOUSE GAS ("GHG") EMISSIONS:** **0 Kg**

123, Chaussée Blanche  
Appt. 223  
L-8014 Strassen  
Luxembourg

Number of Employees

Office Size (m<sup>2</sup>)

Country

Activity / Industry

Type of Assessment: **Intermediate**

- Compare current ratings with your past and future Assessments
- Find out how you can reduce and improve on GHG Emissions

### SCREENINGS

- Company vehicle
- Electricity & Heating
- Waste
- Water
- Work Commute
- Business Travels
- Office Consumption & Usage

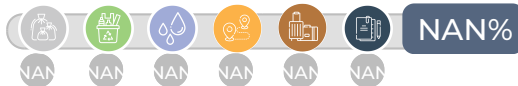
#### Scope 1 Direct GHG emissions



#### Scope 2 Indirect GHG emissions from energy sources



#### Scope 3 Other indirect GHG emissions



- Company vehicle
- Electricity & Heating
- General waste
- Recycled waste
- Water
- Work Commute
- Business Travel
- Office Consumption & Usage

### ASSESSMENT OVERVIEW

	data input	GHG amount
Company vehicle	0 km <sup>(1)</sup>	0 kg
Electricity & Heating	0 kWh <sup>(1)</sup>	0 kg
Water	0 m <sup>3</sup> <sup>(1)</sup>	0 kg
General waste	0 kg <sup>(1)</sup>	0 kg
Recycled waste	0 kg <sup>(1)</sup>	0 kg
Office Consumption & Usage	0 € <sup>(1)</sup>	0 kg
Work Commute	0 km <sup>(1)</sup>	0 kg
Business Travels	0 km <sup>(1)</sup>	0 kg

<sup>1</sup> The above assessment is based on the data you submitted.

<sup>2</sup> The above assessment is an estimate based on your number of employees, your office size as well as the country in which your company is located.

You have opted for an Intermediate Assessment. A more detailed assessment is available in our Full Assessment, including a report with all the screenings and its components. Please visit: [www.thegreenprojects.org/assessments](http://www.thegreenprojects.org/assessments) or contact us for further details.

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<sup>1</sup> Carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), hydrofluorocarbons (HFC), perfluorocarbons (PFC), sulphur hexafluoride (SF<sub>6</sub>) and nitrogen trifluoride (NF<sub>3</sub>)

<sup>2</sup> Originally developed for the French Environment and Energy Management Agency

<sup>3</sup> Our databases of emissions factors derive from values from multiple sources (including from the Asian Infrastructure Investment Bank, the Intergovernmental Panel on Climate Change, the UK Department of Environment, Food & Rural Affairs etc.)

<sup>4</sup> EIB Project Carbon Footprint Methodologies - Methodologies for the Assessment of Project GHG Emissions and Emission Variations, July 2020

## METHODOLOGY

In the context of your Greenhouse Gases ("GHG") assessment, the "CO<sub>2</sub> KG" values indicated in this certificate refer to CO<sub>2</sub> equivalent units.

As per the Kyoto Protocol, there are seven main GHG that contribute to climate change<sup>1</sup>.

CO<sub>2</sub> equivalent units are used to calculate emissions of all relevant GHG combined, with conversion factors in units of "kilogra

-ms of carbon dioxide equivalent of Y per X" where Y is the gas emitted and X is the unit activity.

The GHG values estimated under "Carbon Footprint" have been calculated using the "Bilan Carbone®" method<sup>2</sup>. The Bilan Carbone® method relies on a company's activity data and a database of emission factors<sup>3</sup>.

The calculation formula is as follows:

$$\text{carbon\_emission} = \sum_{i=1}^n \text{carbon}_{emission_i} \quad (1)$$

Where  $\text{carbon}_{emission_i}$  is carbon emission of activity  $i^{\text{th}}$

$$\text{carbon}_{emission_i} = \text{activity\_data}_i * \text{emission\_factor}_i$$

Emission factors are used to convert activity data into CO<sub>2</sub> equivalent units. Determining emission factors carries a degree of uncertainty.

As part of our methodology to quantify carbon emission for offices, the following "scope" have been taken into account:

- **Scope 1** : Direct GHG emissions (e.g., waste)
- **Scope 2** : Indirect GHG emissions from energy source (e.g., electricity & heating)
- **Scope 3** : Other indirect GHG emissions (e.g., consumption of resources & related usage)

Where exact numbers have been submitted for the relevant screenings as part of your GHG assessment, the resulting CO<sub>2</sub> equivalent units have been

calculated precisely as per the above formula.

Where no numbers have been submitted for the relevant screenings as part of your GHG assessment, the resulting CO<sub>2</sub> equivalent units are estimations derived from other available data such as office size, company size etc.

Where a range of values have been selected, the resulting CO<sub>2</sub> equivalent units have been calculated using conservative assumptions, values, and procedures. "Conservative values and assumptions are those that are more likely to overestimate absolute emissions and "positive" relative emissions (net increases), and underestimate "negative" relative emissions (net reductions)"<sup>4</sup>.

## ABOUT THIS CERTIFICATE AND THE DATA IN IT

This certificate and other data about your company's emissions may be shared with other bodies (including government departments and enforcement agencies) for research, statistical and enforcement purposes.

Any personal data it contains will be processed in accordance with the General Data Protection Regulation and all applicable laws and regulations relating to the processing of personal data and privacy.

For further information about this and how data about the property are used, please visit:

[www.thegreenprojects.org/data-protection](http://www.thegreenprojects.org/data-protection). To opt out of having information about your building made publicly available, please visit: [www.thegreenprojects.org/data-protection/optout](http://www.thegreenprojects.org/data-protection/optout).

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