



# TRAFILIX INDUSTRIES



## Corporate Carbon Footprint

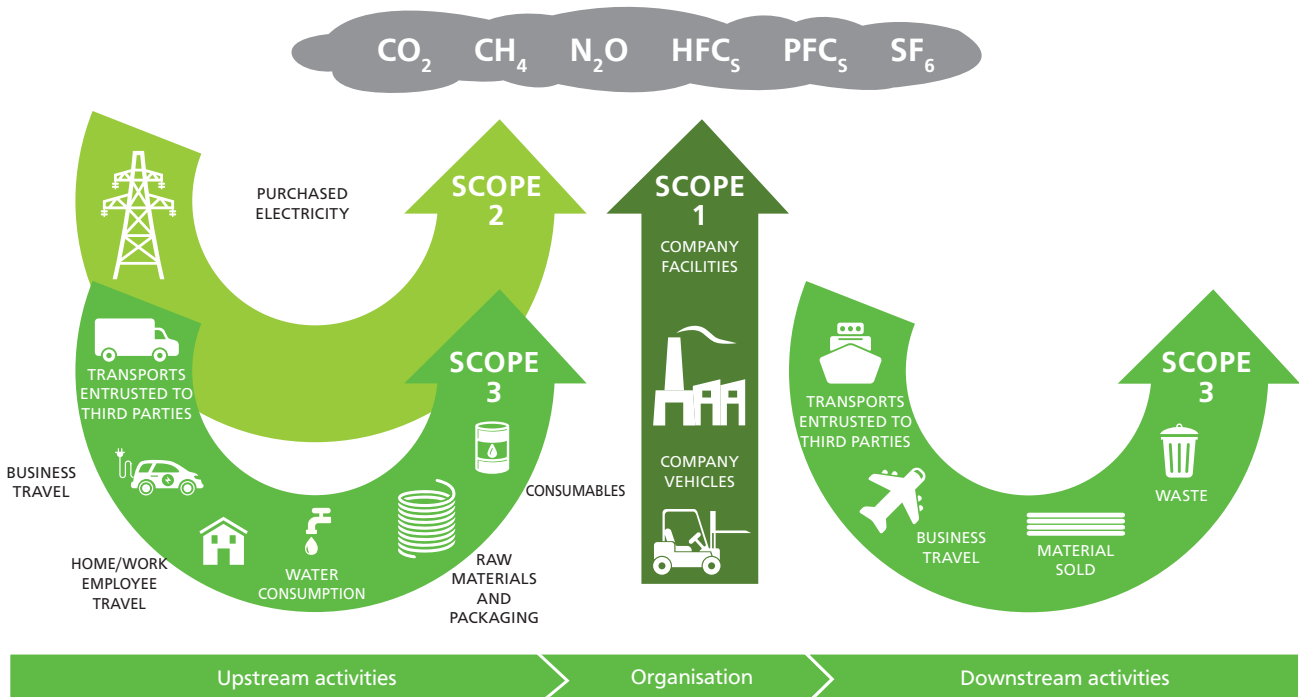
Trafilix S.p.A. continues in its efforts, started in 2021, to quantify and decrease climate-altering gas emissions from its operations. 2023 corporate GHG emissions were also identified and calculated on the basis of the main reference standard: UNI EN ISO 14064-1:2019. The application field includes all important support activities and activities directly connected with Trafilix operations.

All climate-altering gases (GHG) foreseen in the reference standard are monitored and reported in terms of equivalent CO<sub>2</sub> (CO<sub>2</sub> eq.) using the conversion factors based on the Global Warming Potential.

In 2022, Trafilix S.p.A. signed the local sustainability pact **“Patto per la Sostenibilità Brescia 2050”**. In this sense, the actions already taken and future actions are directed at:

- quantifying our emissions of greenhouse gases and pollutants;
- defining and implementing suitable decarbonising interventions and long-term strategies.

**Trafilix S.p.A. has dragged the whole Group to use of renewable sources.**



### TRAFILIX S.p.A.

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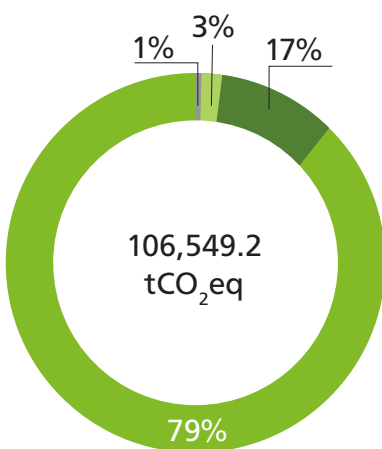
società assoggettata a direzione e coordinamento da parte di Lucefin S.p.A.





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GHG EMISSIONS		2021	2022	2023
Direct emissions (Scope 1)		1,288.7 tCO <sub>2</sub> eq	1,359.9 tCO <sub>2</sub> eq	1,189.8 tCO <sub>2</sub> eq
Indirect emissions from energy consumption - location based (Scope 2)		6,420.4 tCO <sub>2</sub> eq	4,497.2 tCO <sub>2</sub> eq	3,323.5 tCO <sub>2</sub> eq
Other indirect emissions (Scope 3)	for transport	18,675.1 tCO <sub>2</sub> eq	21,123.0 tCO <sub>2</sub> eq	18,512.7 tCO <sub>2</sub> eq
	for products used	146,444.3 tCO <sub>2</sub> eq	133,709.8 tCO <sub>2</sub> eq	83,523.2 tCO <sub>2</sub> eq
<b>TOTAL VALUE</b>		<b>172,828.5 tCO<sub>2</sub>eq</b>	<b>160,689.9 tCO<sub>2</sub>eq</b>	<b>106,549.2 tCO<sub>2</sub>eq</b>
tCO <sub>2</sub> eq/t produced		1.19	1.18	1.02



### 2023 DATA CALCULATED FOR TRAFILIX S.p.A.

- Direct GHG emissions (Scope 1)
- Indirect emissions from energy consumption (Scope 2)
- Other indirect GHG emissions (Scope 3) - for transport
- Other indirect GHG emissions (Scope 3) - for products used

Note: To better compare emission trend in the three-year period considered, the 2021-2022 values shown in the previous report were updated. Scope 2 and Scope 3-transportation emissions were recalculated on the basis of Ecoinvent emission factors. Ecoinvent is a life cycle inventory (LCI) database supporting Sustainability assessments. This enabled comparability of data taken from different sources.

In line with the GRI 305-2 indicator, we report also a market-based calculation that is based on the latest energy mix declared by the electricity provider.

GHG EMISSIONS	2021	2022	2023
Indirect emissions from energy consumption - market based (Scope 2)	5,881.8 tCO <sub>2</sub> eq	5,098.3 tCO <sub>2</sub> eq	4,539 tCO <sub>2</sub> eq

The most relevant item concerns **indirect emissions caused by upstream steel manufacture and processing** that contribute to total GHG emissions by more than 77%.

As to **Scope 3 – products used emissions**, the change in emissions reported is mainly due to lower purchases of the steel raw material. This reduction noticeably decreases the amount of upstream emissions due to the extraction of materials. Indirect CO<sub>2</sub> defined by this value is calculated using theoretical literature-based coefficients. Where possible, data were improved by making reference to the values of recycled products stated by our suppliers. This data collection is a constant process that we are continuing as Scope 3 is extremely relevant in our calculation.

We point out that in 2023 **recycled raw material used** by the organisation equalled 85%.

Even though Scope 1 and Scope 2 incidence is limited, Trafilix remains committed to decrease its emissions by:

- installing photovoltaic systems to serve several sites. Trafilix completed the installation of a 1MW photovoltaic system on the roofing of the Esine and Berzo sites. Consequently, in 2023 we self-consumed 767 MWh, equal to 6% of total consumption, which allowed reducing emissions by 214 tCO<sub>2</sub>eq;
- actualising suggestions for improvement indicated in the energy diagnosis performed in the Trafilix Berzo Production Unit site;
- identifying premises heated by means of natural gas systems that can be replaced by heat pumps or fed by heat recovery systems in the case of building restoration.