



Envirometer

Report 2021

TRITAL Safety B.V.

Compiled on 04-04-2022

Preface

De Milieubarometer vertaalt gegevens zoals elektriciteitsverbruik en afvalproductie naar grafieken en tabellen die de milieubelasting van het bedrijf inzichtelijk maken. In dit rapport worden de Milieubarometer uitkomsten van TRITAL Safety B.V. samengevat in enkele grafieken en tabellen.

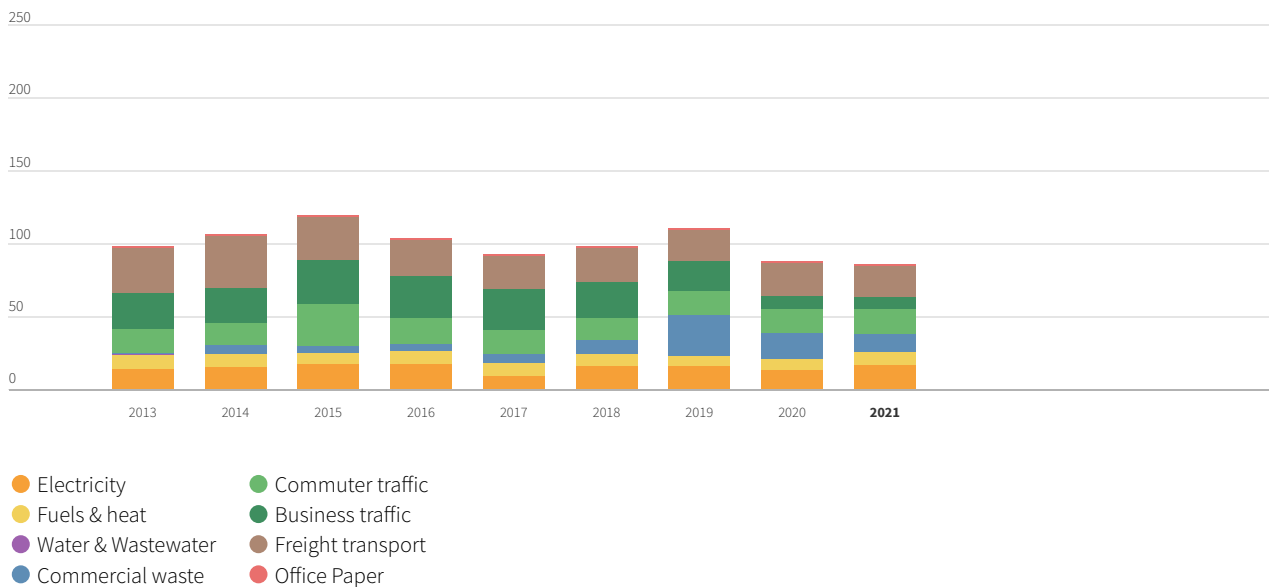
Table of contents

Environmental burdens	3
Total	3
CO2	4
Total	4
CO2 Footprint	5
CO ₂ Thematically	5
Indicators	6
Targets	7

Environmental burden

Multiyear graph - Total

% compared to 2013

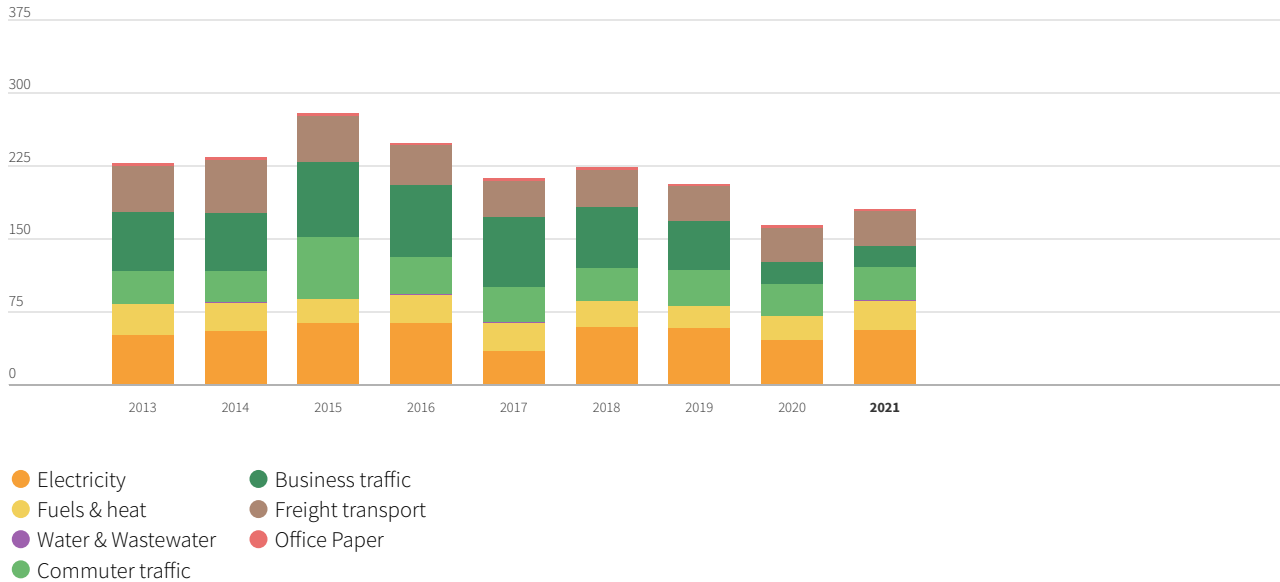


This chart shows the distribution of the environmental impact among the themes. The calculated environmental impact is the combination of environmental damage such as fine dust, acidification and greenhouse effect. The environmental impact of the first year in the chart is set at 100%.

CO₂

Multiyear graph - Total

Tonne CO₂



This chart is a graphical representation of the CO₂ footprint in tonnes of CO₂ per year. The larger a theme in this graph, the greater the contribution of that theme to the emission of greenhouse gases. No CO₂ emission is allocated to waste.

If CO₂ emissions are compensated, the CO₂ offset is shown in the blue column.

CO₂-footprint

CO₂ Thematically

	Theme		CO ₂ -parameter	CO ₂ -equivalent
Electricity				
Purchased electricity	Electricity	104.652 kWh	0,556 kg CO ₂ / kWh	58,2 tonnes CO ₂
			<i>Subtotal</i>	58,2 tonnes CO ₂
Fuels & heat				
Natural gas used for heating	Fuels & heat	16.345 m ³	1,88 kg CO ₂ / m ³	30,8 tonnes CO ₂
			<i>Subtotal</i>	30,8 tonnes CO ₂
Water & Wastewater				
Drinking-water	Water & Wastewater	302 m ³	0,298 kg CO ₂ / m ³	0,0900 tonnes CO ₂
			<i>Subtotal</i>	0,0900 tonnes CO ₂
Commuter traffic				
Public transport	Commuter traffic	5.857 passenger km	0,0150 kg CO ₂ / passenger km	0,0879 tonnes CO ₂
Bicycle and walking	Commuter traffic	21.550 km	0 kg CO ₂ / km	0 tonnes CO ₂
Passenger car	Commuter traffic	179.800 km	0,195 kg CO ₂ / km	35,1 tonnes CO ₂
			<i>Subtotal</i>	35,1 tonnes CO ₂
Business traffic				
Passenger car (in litres) gasoline	Business traffic	7.603 litre	2,78 kg CO ₂ / litre	21,2 tonnes CO ₂
			<i>Subtotal</i>	21,2 tonnes CO ₂
Freight transport				
Delivery van (in litres) diesel	Freight transport	11.035 litre	3,26 kg CO ₂ / litre	36,0 tonnes CO ₂
			<i>Subtotal</i>	36,0 tonnes CO ₂
Office Paper				
Environmentally certified paper	Office Paper	305.000 sheet A4 (80 grams)	0,00604 kg CO ₂ / sheet A4 (80 grams)	1,84 tonnes CO ₂
			<i>Subtotal</i>	1,84 tonnes CO ₂
			CO₂ Emissions	183tonnes CO₂

This CO₂ footprint shows how much greenhouse gas is emitted and eventually offset by the purchase of CO₂ compensation. CO₂ emissions in this footprint are grouped by theme. The footprint also shows which contributes most to CO₂ emissions.

Indicators

		2013	2014	2015	2016	2017	2018	2019	2020	2021
Energy										
Percentage night or off-peak electricity	%	19,1	19,4	17,6	18,0	25,8	21,8	21,1	21,0	21,5
Electricity consumption per floor area	kWh/m2	62,5	67,5	77,5	77,8	43,7	58,9	57,9	54,0	65,4
Electricity consumption per units	kWh/units									
Fuels & Heat & Cold										
Heating energy consumption per building volume	m3 gas eq./m3	1,32	1,21	0,984	1,16	1,14	1,06	0,915	0,966	1,20
Energy production										
Self produced electricity	%									
Water and waste water										
Tapwater consumption per office staff member	m3/fte	7,05	8,82	15,7	8,81	13,2	15,1	9,68	7,51	8,99
Waste										
Sorting of waste	%	94,7	56,3	48,2	48,5	6,99	30,5	22,5	19,5	30,9
Unsorted waste per employee	kg/fte	18,9	301	261	265	353	677	1.973	1.195	828
Sorted waste per employee	kg/fte	340	387	242	249	26,5	297	572	289	371
Waste per employee	kg/fte	359	687	503	514	379	974	2.545	1.484	1.199
Hazardous waste per employee	kg/fte									
Paper waste per employee	kg/fte	340	387	242	249	26,5	297	572	289	371
Transport										
Fuel consumption road haulage per units	litre diesel eq./units									
Business										
Floor area per employee	m2/fte	41,0	41,0	40	40,5	40,8	51,9	47,1	44,3	47,6
Office Paper										
Paper purchases per employee	kg/fte	50	52,2	45	43,0	46,5	63,3	43,4	51,9	45,4

These indicators translate annual data like 'total electricity' to more comprehensible numbers like 'kWh/m2 floor area' or 'sortingpercentage of waste'. Indicators also enable comparison with the environmental performance of larger or smaller organizations.

Targets overview

2013 2014 2015 2016 2017 2018 2019 2020 2021

● Reference year ● Good ● Adequate ▲ Improving ▲ Inadequate ○ Unknown

Target charts



DE WERKPLAATS VOOR
DUURZAAM ONDERNEMEN

The Envirometer is a product of Stimular Foundation. Stimular translates the growing demand for sustainability into practical tools and working methods for companies, trade associations, governments and healthcare providers. Stimular wants to accelerate the sustainability of companies and organizations by sharing knowledge and experience, for example on stimular.nl/doe-it-zelf. Aim is to show entrepreneurs and managers what their greatest impact on sustainability is and how they can reduce this impact.