

Microsolder Kft., Kiscsillag u 18, 1037 Budapest, Hungary

Date: 29.02.2024
Number of employees: 16
Turnover 2023: 8.504.096 €

DEFINITION SYSTEM BORDERS

Time period: 01.01.2023 bis 31.12.2023
Security surcharge: 5%

Description of the object of consideration:

The object of consideration is the company location of Microsolder Kft. in Hungary. It has been a 100% subsidiary of Stannol Holding GmbH since July 2021.

Scope 1 and 2 emissions from the vehicle fleet, gas and electricity consumption are considered. This accounting is the second year. Substantial reductions were achieved in the areas of electricity and gas thanks to a building refurbishment. As the team was strengthened by 4 employees in 2023 and the vehicle fleet had to be expanded as a result, total emissions increased in 2023. A vehicle fleet strategy was drawn up that will take effect from 2024 and includes a gradual switch to e-mobility.

Description of the balance area:

The period covers the emissions from the calendar year 2023:
January 1, 2023 - December 31, 2023.

SCOPES

SCOPE 01

Business travel with company-owned vehicles — 36.792,32 kg CO₂e (81,40 %)

Emittent	Quantity	Unit	Share relative	Share absolute
Audi A4 Diesel	31,58	km	8,66 %	3.915,80 kgCO ₂ e
Toyota Yaris Diesel	6,62	km	1,51 %	681,35 kgCO ₂ e
Toyota Proace Diesel	16,35	km	5,14 %	2.321,70 kgCO ₂ e
Mercedes GLA Petrol	15,67	km	4,65 %	2.100,32 kgCO ₂ e
Toyota Auris Petrol	17,44	km	5,58 %	2.522,99 kgCO ₂ e
Toyota Auris Petrol	16,30	km	5,23 %	2.363,50 kgCO ₂ e
Seat Leon Hybrid	31,13	km	1,86 %	840,62 kgCO ₂ e
Skoda Karoq Petrol	23,62	km	6,53 %	2.951,88 kgCO ₂ e
Skoda Karoq Petrol	23,47	km	6,49 %	2.934,00 kgCO ₂ e
VW Passat Diesel	58,90	km	16,55 %	7.480,81 kgCO ₂ e
Seat Leon Petrol	40,01	km	9,74 %	4.401,10 kgCO ₂ e
Seat Ateca	27,25	km	9,47 %	4.278,25 kgCO ₂ e

Use of energy sources for internal combustion — 2.604,96 kg CO₂e (5,76 %)

Emittent	Quantity	Unit	Share relative	Share absolute
Gas (EEW)	12.960,00	kWh	5,76 %	2.604,96 kgCO ₂ e

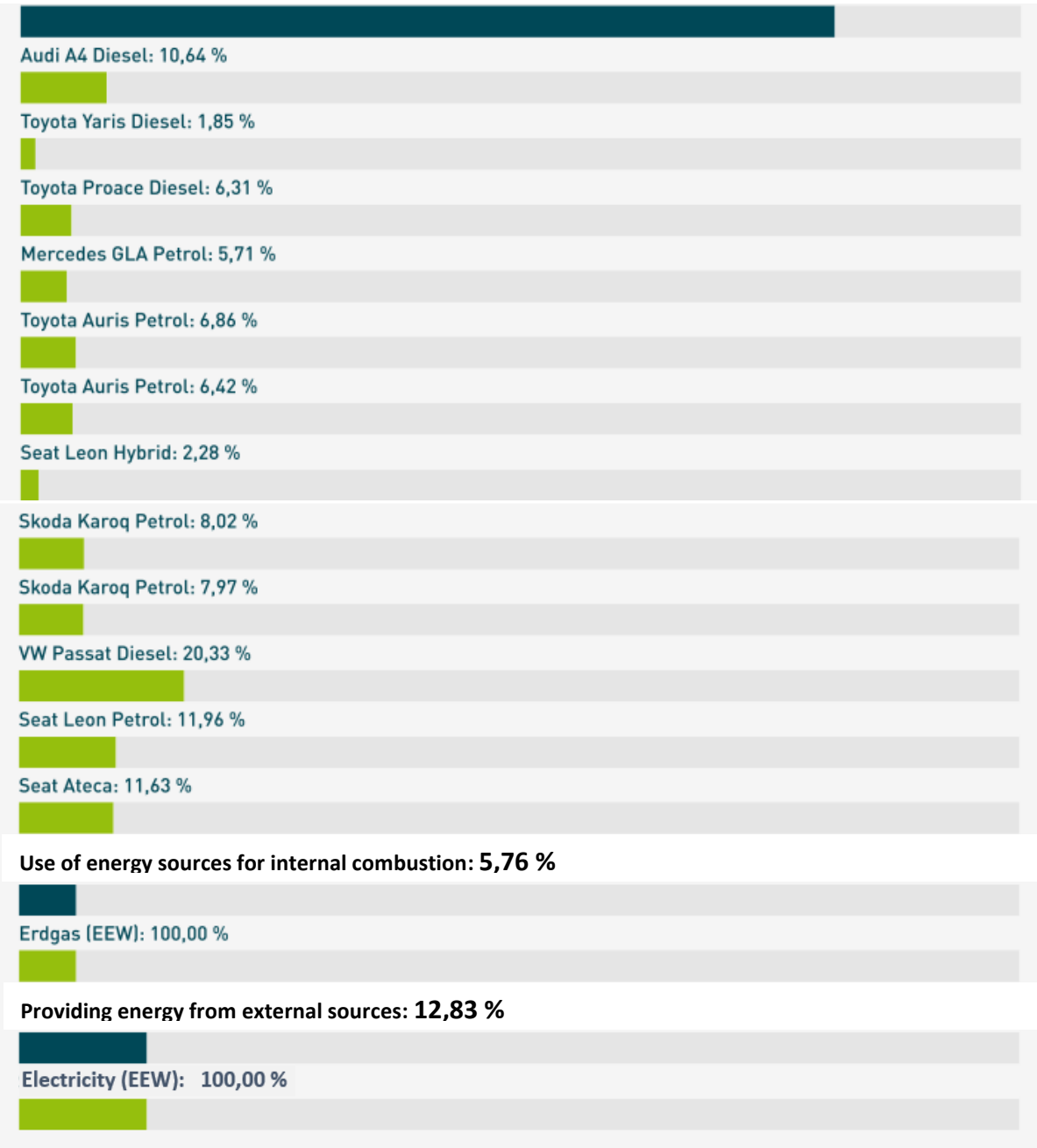
SCOPE 02

Providing energy from external sources — 5.800,73 kg CO₂e (12,83 %)

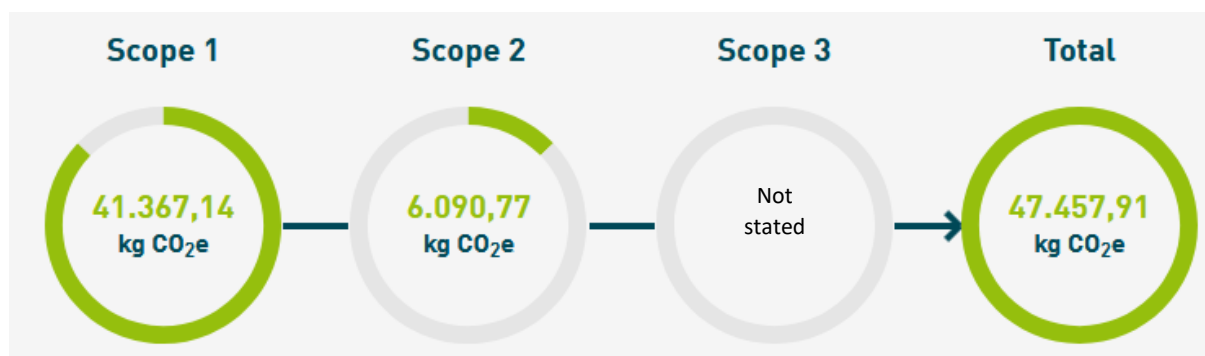
Emittent	Quantity	Unit	Share relative	Share absolute
Electricity (EEW)	15.849,00	kWh	12,83 %	5.800,73 kgCO ₂ e

BAR CHART

Business travel with company-owned vehicles: **81,40 %**



DONUT CHART



KEY NUMBERS

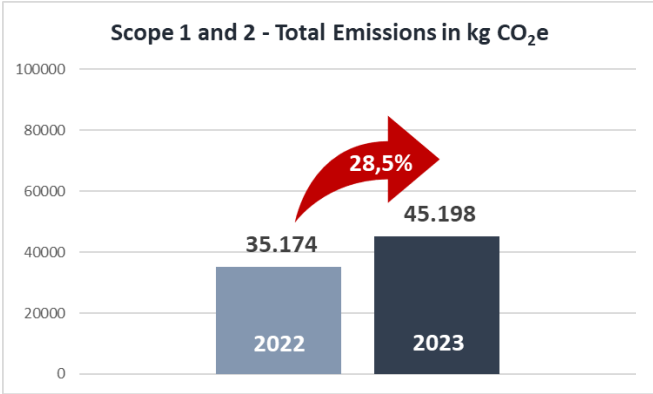
Value	Description	Explanation
2.824,88 CO ₂ e per employee	Emission relative to employees	Related to 16 employees
0,005315 CO ₂ e per €	Emission relative to turnover	Related to 8.504.096 € turnover
4.746 trees	CO ₂ bonding	Assuming that a tree absorbs about 10kg of CO ₂ on average globally, 4,746 trees would be required to sequester the calculated total emissions.
711,90 €	Compensation costs ecocockpit	The costs for compensation vary greatly. Assuming an average of 15 € per tonne of CO ₂ to be offset, 711,9 € would have to be invested in environmental projects to offset the total emissions. (atmosfair =
1.186,00 €	Compensation costs atmosfair	Total emissions inkl. Security Surcharge
45198,01 kg CO ₂ e	Total emissions	Calculated by the entered consumption quantities and the stored CO ₂ equivalents
47457,91 kg CO ₂ e	Total emissions inkl. Security Surcharge (5%)	Calculated by the entered consumption quantities and the stored CO ₂ equivalents with an and a surcharge of 5%

ALL EMITTENTS

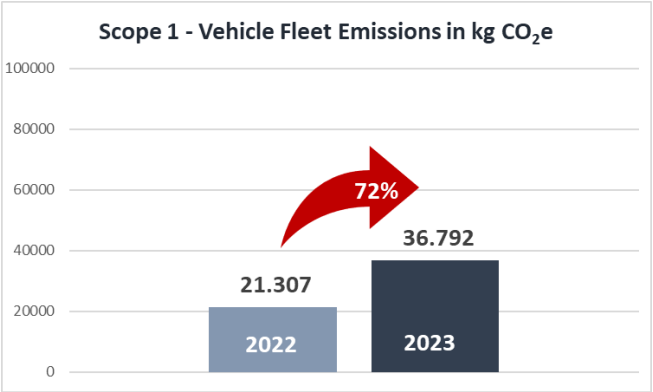
Emittent	Comment	Quantity	kg CO ₂	Database	Description
Erdgas (EEW)	Consumption according to the Microsolder list and invoice 2023, converted from m ³ to kwh using calorific value factor 10.	12.960,00 kWh	0,201	EEW 2022	CO2-Faktoren - EEW
Audi A4 Diesel	Registration No. NDG927	31,58 km	124	according to manufacturer (approval V7)	—
Toyota Yaris Diesel	Registration No. PBR349	6,62 km	103	according to manufacturer (approval V7)	—
Toyota Proace Diesel	Registration No. RGJ242	16,35 km	142	according to manufacturer (approval V7)	—
Mercedes GLA Petrol	Registration No. NAS185	15,67 km	134	according to manufacturer (approval V7)	—
Toyota Auris Petrol	Registration No. PES665	17,44 km	144,65	according to manufacturer (approval V7)	—
Toyota Auris Petrol	Registration No. PMZ496	16,30 km	145	according to manufacturer (approval V7)	—
Seat Leon Hybrid	Registration No. SNZ362	31,13 km	27	according to manufacturer (approval V7)	—
Skoda Karoq Petrol	Registration No. SYT433	23,62 km	125	according to manufacturer (approval V7)	—
Skoda Karoq Petrol	Registration No. TAU778	23,47 km	125	according to manufacturer (approval V7)	—
VW Passat Diesel	Registration No. AAGX142	58,90 km	127	according to manufacturer (approval V7)	—
Seat Leon Petrol	Registration No. SRU924	40,01 km	110	according to manufacturer (approval V7)	—
Seat Ateca	Registration AADG503	27,25 km	157	—	—
Electricity (EEW)	Consumption according to the Microsolder list and invoice 2023	15.849,00 kWh	0,366	EEW 2022	CO2-Faktoren - EEW

ANALYSIS

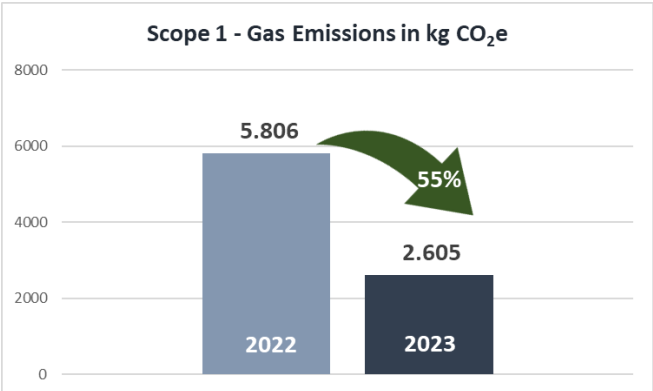
Analysis of changes compared to the previous year (2022/2023)



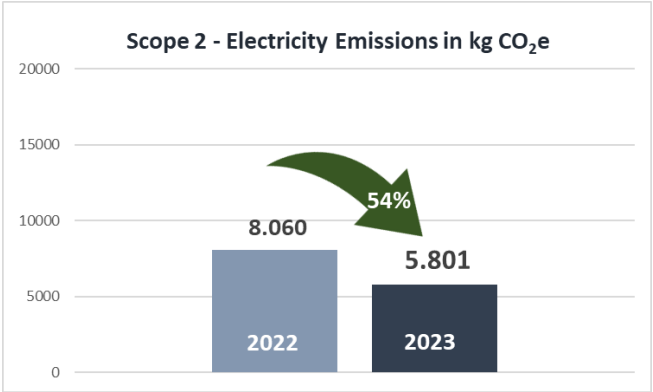
Increase of 28,5 % kg CO₂e
Details/Reasons see below.



Increase of 72 % kg CO₂e
Reasons: 103.942 km were driven additionally.
3 additional employees were recruited who are relevant to driving.



Reduction of 55 % kg CO₂e
Reason: Savings due to building refurbishment.



Reduction of 54 % kg CO₂e
Reason: Savings due to building