

LUPRIFLEX®

SBTI
Progress Report

2022/23

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INTRODUCTION

In July 2022, the Science Based Target Initiative validated the emission reduction targets set by Lupriflex.

The latest scientific climate report of the IPCC (Intergovernmental Panel on Climate Change) shows that it is still possible to limit climate warming to 1.5°C. This will require rapid but also substantial reductions in CO₂ emissions.

Global CO₂ emissions must be halved by 2030, and "net zero" must be achieved by 2050.

After one year, we would like to report on our progress toward achieving our targets.

TARGETS*

BASED ON THE LUPRIFLEX EMISSION BALANCE OF THE YEAR 2018

- 01 SHORT-TERM (UNTIL 2030)**
Reduce scope 1 & 2 emissions by 50% and capture and reduce scope 3 emissions.
- 02 LONG-TERM (UNTIL 2050)**
Reduction of emissions in all scopes by at least 90%
- 03 NET-ZERO (UNTIL 2050)**
Reduction of emissions in all scopes by at least 90 % and neutralization of unavoidable emissions

*according to the specifications of SBTi for SMEs.



BACKGROUND TO THE REPORT

We have been calculating the CO₂ balance for the Lupriflex headquarters in Haltern am See (Corporate Carbon Footprint) since 2009. This records emissions from the company vehicle fleet, the company's furnishings, the purchased electricity, and also from employee travel (...).

Emissions that occur during the production of our articles - production takes place at selected partners - were not recorded.

We started calculating the emissions of our products (product carbon footprint) in 2022.

In the following, we therefore report separately on our developments, on the one hand with regard to emissions at the Haltern am See site, and on the other hand with regard to emissions from our products.

CO₂ equivalents (CO₂e) are a unit of measurement used to standardize the climate impact of different greenhouse gases such as carbon dioxide CO₂, methane CH₄, etc.

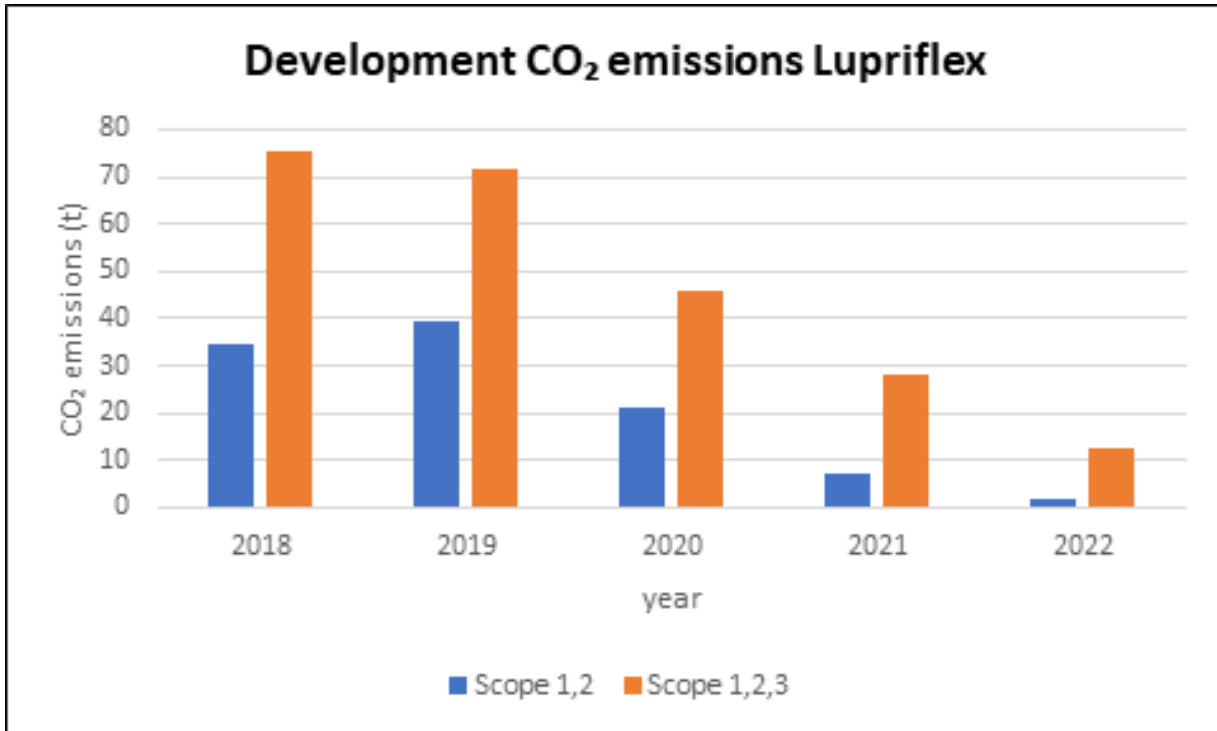
Scope 1: Direct emissions in the company (vehicle fleet, gas, heat).

Scope 2: Indirect emissions from purchased energy (electricity, cooling).

Scope 3: Indirect emissions within the value chain (products, inbound/outbound logistics, business travel, waste, employee travel, waste disposal)

PROGRESS COMPANY

REDUCTION OF CO₂-EMISSIONS



CO ₂ e emissions in tons	2018	2019	2020	2021	2022
Scope 1, 2	34,35	39,57	21,17	6,96	1,66
Scope 1, 2, 3	75,47	71,72	45,83	28,30	12,65

PROGRESS COMPANY

REDUCTION OF CO₂-EMISSIONS

Scope 1.2 emissions were reduced by 95% (2018-2022).

This was mainly due to the switch to green electricity (from hydropower) and biogas (residual materials from sugar production) at the Haltern am See site. This conversion also contributed to the reduction of emissions in Scope 3, as emissions from the upstream heat & power chain were reduced.

Overall, emissions from all scopes were reduced by 83% (2018-2022).

PROGRESS PRODUCTS

In cooperation with ClimatePartner, we have determined the following CO₂e emissions of all Lupriflex models in 2022, based on the Greenhouse Gas Protocol Product Life Cycle Accounting and Reporting Standard (GHG Protocol).

CO₂-Emissions - shoes

ITEM NO.	LUPRIFLEX MODEL	CO ₂ e per pair, SIZE 42 (KG)	CO ₂ e per 100 g shoes, size 42 (KG)	WEIGHT OF SHOES PER PAIR, SIZE 42 (G)
SHOES				
4-460	PETER	14,37	1,26	1.140
3-445	TRAIL DUO SHOE	18,61	1,31	1.420
4-400	BLUE STAR	15,90	1,33	1.200
4-410	SPEED LOW	15,79	1,34	1.180
4-430	RAPID LOW	15,79	1,34	1.180
4-750	ALLROUND AQUA LOW	20,50	1,56	1.310
4-470	BLUE-COLLAR WORKER	22,76	1,78	1.280
3-406	AQUA LIGHT LOW	25,05	1,96	1.280
5-500	TECHNO LOW	24,10	2,08	1.160
AVERAGE		19,21	1,55	1.239

PROGRESS PRODUCTS

CO₂ emissions - mid-cut shoes

ITEM NO.	LUPRIFLEX MODEL	CO ₂ e per pair, SIZE 42 (KG)	CO ₂ e per 100 g shoe, size 42 (KG)	WEIGHT OF SHOES PER PAIR, SIZE 42 (G)
MID-CUT SHOES				
4-110	SPEED MID	16,88	1,38	1.220
4-130	RAPID MID	16,88	1,38	1.220
3-265	TRAIL DUO BOOT	22,16	1,40	1.580
3-127N	ANTI-TWIST INDUSTRY	30,12	1,59	1.900
3-103	SINGLE BUCKLE	24,27	1,66	1.460
3-608N	AQUA PROFI	29,69	1,67	1.780
3-200	CONSTRUCTION FLEX WATERPROOF	30,25	1,78	1.700
4-250	NATURE AQUA MID	26,00	1,79	1.450
4-150	ALLROUND AQUA MID	26,74	1,91	1.400
3-606	AQUA LIGHT MID	29,75	2,01	1.480
5-550	TECHNO MID	25,98	2,13	1.220
AVERAGE		25,34	1,70	1.492

PROGRESS PRODUCTS

CO₂ emissions - slip-in boots/chainsaw boots

ITEM NO.	LUPRIFLEX MODEL	CO ₂ e per pair, SIZE 42 (KG)	CO ₂ e per 100 g boot, size 42 (KG)	WEIGHT OF BOOTS PER PAIR, SIZE 42 (G)
SLIP-IN BOOTS				
3-359	AQUA OFFSHORE WINTER	37,07	2,11	1.760
3-368	AQUA OFFSHORE PROFI	37,07	2,11	1.740
AVERAGE		37,07	2,11	1.750
CHAINSAW BOOTS				
3-216	HUNTER LOW 2-IN-1	37,57	1,76	2.140
3-640	CLASS 3 SPORTIVE HUNTER	50,63	1,95	2.600
3-630	SPORTIVE HUNTER	49,17	2,14	2.300
3-616	ECO-HUNTER BASIC	51,09	2,32	2.200
AVERAGE		47,12	2.04	2.310
TOTAL AVERAGE		27,47	1,73	1.550

PROGRESS - PRODUCTS



An annual comparison of the absolute emissions of our articles produced and sold is only suitable to a limited extent for looking at our progress or development.



On the one hand, we strive to sell more items; on the other hand, the composition of the shoes sold varies.

We would therefore like to measure our progress in CO₂ reduction on the basis of the individual articles.

New articles and product optimizations should always be developed with a view to a lower CO₂ footprint.



We have already gained initial experience in this regard with our 4-460 PETER model.

The calculation of the CO₂ emissions of all Lupriflex products has shown that the greatest savings potential lies with the materials.

Approximately 80 % of the CO₂ footprint of a boot is attributed to the material. Material selection for new models will therefore also be based on the CO₂ footprint in the future. At the same time, the requirements of the standards to which safety footwear and cut protection boots are subject must be met.



