

Carbon footprint for the ensian Group according to the Greenhouse Gas Protocol (GHG)

| | | as of CY 2020 CO ₂ factor | 2019 volume | GHG emissions for 2019 2020/08/18 | 2020 volume | GHG emissions for 2020 2021/03/02 | Deviation |
|------------------------|---|---|--------------------|--------------------------------------|--------------------|--------------------------------------|---------------|
| | | KlimAktiv | [kWh/l/kg/item/km] | [kg CO ₂] | [kWh/l/kg/item/km] | [kg CO ₂] | |
| Scope 1 | Direct emissions | | | 183,955 | | 112,209 | -39.0% |
| Scope 1 | Heating oil consumption for tool manufacturing [kWh] (stationary combustion) | 0.267 | 0 | 0 | 0 | 0 | |
| | Evaporation from chillers and refrigeration systems | | | 5,310 | | 715 | -86.5% |
| | Vehicle fleet, diesel [liters] (mobile combustion) | 2.640 | 62,865 | 157,967 | 37,110 | 97,958 | -38.0% |
| | Vehicle fleet, gasoline [liters] (mobile combustion) | 2.301 | 7,731 | 17,212 | 4,995 | 11,492 | -33.2% |
| | Vehicle fleet, natural gas [kg] (mobile combustion) | 2.620 | 1,323 | 3,465 | 780 | 2,044 | -41.0% |
| Scope 2 | Indirect emissions from energy procurement | | 3,137,148 | 4,023 | 3,122,492 | 3,388 | |
| Scope 2 | Certified green electricity for Leutkirch plants 1 + 2; Probstzella and PV plant in Fraureuth | 0.000 | 3,127,592 | 0 | 3,112,866 | 0 | |
| | ¹ External vehicle fleet charging station power [kWh] (mobile combustion) | 0.352 | 9,556 | 4,023 | 9,626 | 3,388 | |
| Scope 3 | Indirect emissions from upstream and downstream processes | | | 7,785,022 | | 7,062,216 | -9.3% |
| Scope 3.1 | Purchased goods (cradle-to-grave) | separate | 179,666,346 | 6,605,484 | 163,920,554 | 6,161,126 | -6.7% |
| Scope 3.3 | Upstream chain fuel and energy-related emissions | | | 194,369 | | 161,396 | -17.0% |
| | Gasoline [liters] (upstream chain fossil fuels) | 0.380 | 7,731 | 3,665 | 4,995 | 1,900 | |
| | Diesel [liters] (upstream chain fossil fuels) | 0.439 | 62,865 | 37,801 | 37,110 | 16,291 | |
| | Vehicle fleet, natural gas [kg] (mobile combustion) | 0.640 | 1,323 | 847 | 780 | 499 | |
| | External vehicle fleet charging station power [kWh] (mobile combustion) | 0.078 | 9,556 | 800 | 9,626 | 747 | |
| | Heating oil [kWh] (upstream chain fossil fuels) | 0.051 | 0 | 0 | 0 | 0 | |
| | Green electricity [kWh] (upstream chain renewable energy carrier) | 0.034 | 3,137,148 | 107,416 | 3,122,492 | 106,914 | |
| | Biogas electricity [kWh] (upstream chain renewable energy carrier) | 0.029 | 1,405,568 | 52,877 | 1,526,065 | 43,951 | |
| | Micro gas turbine power input, plant 1 [kWh credit] | -0.068 | 59,079 | -4,017 | 52,357 | -3,560 | |
| | Micro gas turbine power input, plant 2 [kWh credit] | -0.068 | 73,816 | -5,019 | 78,610 | -5,345 | |
| Scope 3.4 + 3.9 | Upstream and downstream transportation | separate | | 45,840 | | 26,045 | -43.2% |
| Scope 3.5 | ²Waste [flat transport factor for non-landfill waste] | 0.021 | 248,105 | 5,210 | 233,141 | 4,896 | -6.0% |
| Scope 3.6 | Business trips, flights | separate | 270,287 | 89,235 | 2,260 | 325 | -99.6% |
| Scope 3.7 | Employee commuting [total] | | 4,502,645 | 836,037 | 3,700,104 | 703,850 | -15.8% |
| | No entry (handled like passenger cars with combustion engines) | 0.209 | 246,932 | 51,510 | 262,104 | 54,675 | |
| | Ridesharing/passengers | 0.000 | 286,889 | 0 | 152,665 | 0 | |
| | Motorcycle, etc. | 0.127 | 25,009 | 3,184 | 16,596 | 2,113 | |
| | Public transportation | 0.0651 | 13,417 | 932 | 10,233 | 666 | |
| | By pedelec/e-bike | 0.0044 | 28,643 | 143 | 15,802 | 70 | |
| | Electric car | 0.0058 | 30,359 | 176 | 33,274 | 193 | |
| | Passenger car with combustion engine | 0.2086 | 3,739,655 | 780,092 | 3,097,477 | 646,134 | |
| | By foot/bicycle | 0.000 | 131,741 | 0 | 111,953 | 0 | |
| Scope 3.8 | ³Rented or leased fixed assets (dining room, Möslle warehouse) | 0.034 | 248,239 | 8,846 | 145,065 | 4,578 | -48.2% |
| | Electricity – Green electricity | 0.0342 | 145,889 | 4,995 | 73,531 | 2,518 | |
| | Gas – Biogas | 0.0288 | 102,350 | 3,850 | 71,534 | 2,060 | |
| Total | | | | 7,973,000 | | 7,177,813 | -10.0% |

No relevance or available data for scopes 3.2, 3.10, 3.11, 3.12, 3.13, 3.14, 3.15

Changes:

¹ Consumed electricity from external charging stations was added to indirect emissions from energy procurement

² Scope 3.5 Flat transport factor for non-landfill waste was added to Scope 3 Emissions

³ Consumption was divided into electricity and gas for Scope 3.8 Rented or leased fixed assets