

# Corporate carbon footprint ensian group according to Greenhouse Gas Protocol (GHG)

		CO2 factor	Quantity 2018	GHG emissions 2018 2019-03-20	Quantity 2019	GHG emissions 2018 2020-08-18	Deviation
		KlimAktiv	[kWh/l/kg/pcs/km]	[kg CO2e]	[kWh/l/kg/pcs/km]	[kg CO2e]	
<b>Scope 1</b>	<b>Direct emissions</b>			<b>200,829</b>		<b>183,955</b>	<b>-8.4%</b>
Scope 1	Heating oil consumption for tool construction [kWh] (stationary combustion)	0.267	0	0	0	0	
	Evaporation by cooling and refrigeration systems			20,885		5,310	-74.6%
	Fleet, diesel [litres] (mobile combustion)	2.513	66,124	166,156	62,865	157,967	-4.9%
	Fleet, petrol [litres] (mobile combustion)	2.226	5,368	11,951	7,731	17,212	44.0%
	Fleet, natural gas [kg] (mobile combustion)	2.620	701	1,836	1,323	3,465	88.7%
<b>Scope 2</b>	<b>Indirect emissions from purchased energy</b>		<b>3,118,938</b>	<b>0</b>	<b>3,137,148</b>	<b>4,023</b>	
Scope 2	Certified green electricity for Leutkirch plant 1 + 2; Probstzella and PV plant Fraureuth	0.000	3,118,938	0	3,127,592	0	
	<sup>1</sup> Vehicle fleet1 Electricity external charging points [kWh] (mobile combustion)	0.421	0	0	9,556	4,023	
<b>Scope 3</b>	<b>Indirect emissions from upstream and downstream processes</b>			<b>8,167,433</b>		<b>7,785,022</b>	<b>-4.7%</b>
<b>Scope 3.1</b>	<b>Purchased goods („Cradle to Grave“)</b>	separat	191,430,952	7,009,309	179,666,346	6,605,484	-5.8%
<b>Scope 3.3</b>	<b>Fuel and energy-related emissions upstream chain</b>			<b>282,367</b>		<b>194,369</b>	<b>-31.2%</b>
	Petrol [litres] (upstream chain of fossil fuels)	0.474	5,368	2,545	7,731	3,665	
	Diesel [litres] (upstream chain of fossil fuels)	0.601	66,124	39,760	62,865	37,801	
	Fleet natural gas [kg] (mobile combustion)	0.640	701	449	1,323	847	
	Vehicle fleet electricity charging station external [kWh] (mobile combustion)	0.084	0	0	9,556	800	
	Heating oil [kwh] (upstream chain of fossil fuels)	0.051	0	0	0	0	
	Green electricity [kWh] (upstream chain of renewable energy sources)	0.034	3,195,184	109,403	3,137,148	107,416	
	Biogas [kWh] (upstream chain of renewable energy sources)	0.106	1,345,419	142,480	1,405,568	52,877	
	Power supply micro gas turbine plant 1 [kWh credit]	-0.068	81,874	-5,813	59,079	-4,017	
	Power supply micro gas turbine plant 2 [kWh credit]	-0.068	90,941	-6,457	73,816	-5,019	
<b>Scope 3.4 + 3.9</b>	<b>Up- and downstream transport</b>	separat		<b>54,396</b>		<b>45,840</b>	<b>-15.7%</b>
<b>Scope 3.5</b>	<b><sup>2</sup> Waste [flat-rate transport factor for unfilled waste]</b>	0.021	248,417	5,217	248,105	5,210	-0.1%
<b>Scope 3.6</b>	<b>Business trips, flights</b>	separat	188,453	48,662	270,287	89,235	83.4%
<b>Scope 3.7</b>	<b>Commuting of employees [sum]</b>		<b>4,094,819</b>	<b>764,871</b>	<b>4,502,645</b>	<b>836,037</b>	<b>9.3%</b>
	Not specified (treated like a car with a combustion engine)	0.209	284,701	59,389	246,932	51,510	
	Ride-along / passenger	0.000	245,581	0	286,889	0	
	Motorcycle or similar	0.127	23,259	2,961	25,009	3,184	
	Public transport	0.0695	14,064	977	13,417	932	
	By pedelec / E-bike	0.0050	22,974	119	28,643	143	
	Electric car	0.0058	17,940	104	30,359	176	
	Passenger car with combustion engine	0.2086	3,362,034	701,320	3,739,655	780,092	
	On foot / by bike	0.000	124,266	0	131,741	0	
<b>Scope 3.8</b>	<b><sup>3</sup> Rented or leased property, plant and equipment (dining room, Mösle warehouse)</b>	0.034	76,246	2,611	248,239	8,846	238.8%
	Power - Green power	0.0342	76,246	2,611	145,889	4,995	
	Gas - Biogas	0.0376	0	0	102,350	3,850	
<b>T total</b>				<b>8,368,261</b>		<b>7,973,000</b>	<b>-4.7%</b>

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

Modifications:

<sup>1</sup> The indirect emissions from energy purchases were supplemented by the electricity consumed at external charging points

<sup>2</sup> Scope 3 emissions was supplemented by the flat-rate transport factor for non-deposited waste Scope 3.5

<sup>3</sup> For the rented or leased property, plant and equipment Scope 3.8, consumption was divided into electricity and gas