



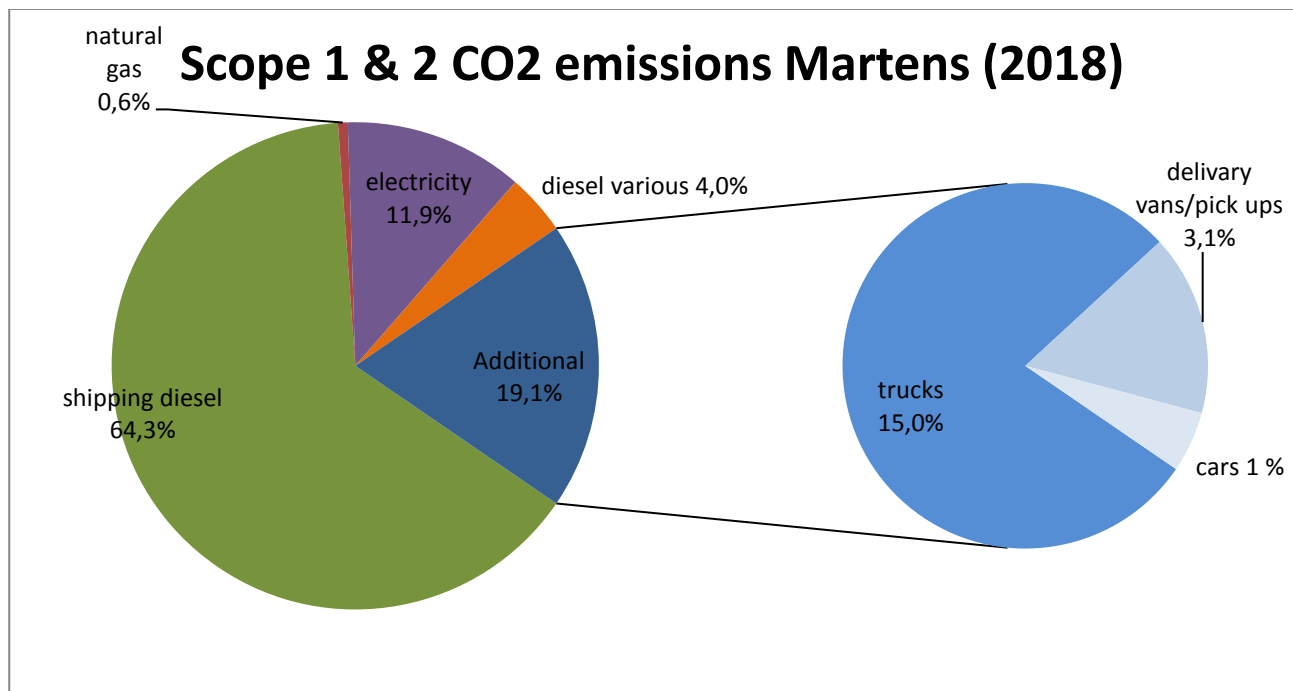
## Carbon Footprint january till june 2018

Procesowner KAM  
controller DIR

All energy information of Martens Cleaning in the first half year 2018 are converted to CO<sub>2</sub> emissions conform Handbook CO<sub>2</sub>-performance ladder (version 3.0, 10 june 2015).

The schedule, shows an overview of the energy flows of Martens Cleaning.

Source	Quantity 1.1 till 1.7 2018	Unit	Conversionfactor ki- lograms per unit	Tons CO <sub>2</sub> 1.1 – 1.7.2018	Tons CO <sub>2</sub> 2017
<b>Scope 1</b>					
Shipping diesel	217.851	liter diesel	3,230	704	1.401
Natural gas	3.775	m3	1,890	7	34
Trucks	50.879	liter diesel	3,230	164	282
Delivary vans/pick-ups	10.377	liter diesel	3,230	34	65
Cars	3.489	liter diesel	3,230	11	23
diesel various	13.689	liter diesel	3,230	44	45
<b>subtotal scope 1</b>				<b>964</b>	<b>1.895</b>
<b>Scope 2</b>					
Residual heat	4.041	GJ	8,8	35,5	44
electricity	247.585	kWh	0,649	160,5	226
<b>subtotal scope 2</b>				<b>196</b>	
<b>Total</b>				<b>1.161</b>	



Aproximately 61% of the total CO<sub>2</sub> footprint is caused by using diesel of ships. Natural gas regards only 0,6 % of the total CO<sub>2</sub> emission. We use maximum of Sloewarmth as energy source to produce oil.