

RUBIX

Organisational GHG Footprint Report 2020

Rubix Group



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an atos company

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Introduction

This report details Rubix Group's carbon footprint for the period from 1st January 2020 to 31st December 2020.

Using an operational control approach, Rubix identified all the activities and facilities for which it is responsible. A data collection template was created by EcoAct and sent to Ms Sarah Wilson who collected the data centrally for 2020. Data validation was carried out by EcoAct; in case of data gaps estimations were made based on the consumption patterns of the sites within the same country. Companies were allocated and grouped into countries, when possible.

The calculation methodology is aligned with the GHG Protocol for Corporate Reporting and the Walker Guidelines. The GHG Protocol Standard classifies emissions into 3 scopes, outlined below:

- Scope 1: Direct Emissions: from greenhouse gas sources owned or controlled by the organisation
- Scope 2: Energy Indirect Emissions: from the generation of imported electricity, heat or steam consumed by the organisation
- Scope 3: Other Indirect Emissions: which are consequences of an organisation's activities but arise from sources that are owned or controlled by other organisations.

Rubix will report its Scope 1, Scope 2 and selected Scope 3 emissions. In this report, Scope 3 will include emissions from grey fleet, and the transmission and distribution (T&D) emissions and the Well-to-tank (WTT) emissions associated with the fuels consumed directly by the organisation.

In this report, emissions are reported in tonnes of carbon dioxide equivalent (tCO₂e) which is a standard unit used to compare the global warming effect of all six of the 'Kyoto' greenhouse gases: Carbon Dioxide (CO₂), Methane (CH₄), Nitrous Oxide (N₂O), Hydrofluorocarbons (HFC), Perfluorocarbons (PFC) and Sulphur Hexafluoride (SF₆).

The carbon footprint calculations use the UK Government emission conversion factors for greenhouse gas company reporting (2020) and IEA data from the CO₂ Emissions from Fuel Combustion dataset, (2020) © OECD/IEA 2020, www.iea.org/statistics. Licence: www.iea.org/t&c; as modified by EcoAct.

Analysis

2.1 Results

The results show that total gross GHG emissions in the past reporting period (2020) were 27,403 tCO₂e, which are attributed as follows:

- Direct Emissions (Scope 1): 15,740 tCO₂e or 57% of total emissions
- Indirect Emissions (Scope 2): 4,946 tCO₂e or 18% of total emissions
- Indirect Other Emissions (Scope 3): 6,718 tCO₂e or 25% of total emissions

Table 1: Emissions by activity and scope

Type of Emissions	Activity	Total Rubix Global 2020		
		Activity units (kWh)	tCO ₂ e	% of Total
Direct (Scope 1)	Natural Gas	29,485,050	5,421	20%
	Fuel Oil	519,766	139	1%
	Gas Oil	77,097	20	0%
	Heating Oil	287,130	71	0%
	Diesel	39,457,918	9,492	35%
	Petrol	2,601,424	596	2%
	Subtotal (Scope 1)	72,428,386	15,740	57%
Indirect Energy (Scope 2)	Purchased Electricity (kWh)	22,368,755	4,814	18%
	District Heating (kWh)	763,758	132	0%
	Subtotal (Scope 2)	23,132,513	4,946	18%
TOTAL Scope 1 & 2		95,560,899	20,685	75%
Indirect Other (Scope 3)	Additional Upstream Activities			
	Transmission & Distribution	23,132,513	302	1%
	Well to Tank	95,560,899	3,989	15%
	Well to Tank Transmission & Distribution	23,132,513	53	0%
	Subtotal T&D and WTT	141,825,925	4,344	16%
	Grey Fleet			
	Diesel	7,836,179	1,885	7%
	Petrol	2,131,045	488	2%
	Subtotal Grey Fleet	9,967,224	2,374	9%
	Subtotal (Scope 3)	151,793,148	6,718	25%
TOTAL EMISSIONS (tCO₂e)			27,403	100%

2.2 Year-on-Year Analysis

Table 2 below shows a comparison of the year-to-year changes in emissions for Scope 1, Scope 2 and Scope 3 categories:

Table 2: Comparative activity (kWh) and emissions (tCO_{2e})

Type of Emissions	Activity	Activity units (kWh)		YOY %	tCO _{2e}		YOY %
		Total Rubix Global 2019 kWh	Total Rubix Global 2020 kWh		Total Rubix Global 2019 tCO _{2e}	Total Rubix Global 2020 tCO _{2e}	
Direct (Scope 1)	Natural Gas	43,810,996	29,485,050	-33%	8,055	5,421	-33%
	Fuel Oil	217,861	519,766	139%	58	139	140%
	Gas Oil	32,179	77,097	140%	8	20	147%
	Heating Oil	551,482	287,130	-48%	136	71	-48%
	Diesel	51,403,702	39,457,918	-23%	12,574	9,492	-25%
	Petrol	2,104,708	2,601,424	24%	492	596	21%
	Subtotal (Scope 1)	98,120,928	72,428,386	-26%	21,323	15,740	-26%
Indirect Energy (Scope 2)	Purchased Electricity (kWh)	20,292,767	22,368,755	10%	5,181	4,814	-7%
	District Heating (kWh)	1,134,873	763,758	-33%	200	132	-34%
	Subtotal (Scope 2)	21,427,640	23,132,513	8%	5,381	4,946	-8%
TOTAL Scope 1 & 2		119,548,568	95,560,899	-20%	26,704	20,685	-23%
Indirect Other (Scope 3)	Additional Upstream Activities						
	Transmission & Distribution	21,427,640	23,132,513	8%	335	302	-10%
	Well to Tank	119,548,567	95,560,899	-20%	5,082	3,989	-22%
	Well to Tank Transmission & Distribution	21,427,640	23,132,513	8%	184	53	-71%
	Subtotal T&D and WTT				5,601	4,344	-22%
	Grey Fleet						
	Diesel	12,425,832	7,836,179	-37%	3,040	1,885	-38%
	Petrol	1,464,316	2,131,045	46%	342	488	43%
	Subtotal Grey Fleet	13,890,148	9,967,224	-28%	3,382	2,374	-30%
	Subtotal (Scope 3)				8,983	6,718	-25%
TOTAL EMISSIONS (tCO_{2e})					35,687	27,403	-23%

Scope 1 emissions have decreased by 26%, from 21 ktCO₂e to 16 ktCO₂e. Scope 2 emissions have decreased by 8% compared to the previous reporting year. The COVID-19 pandemic is likely a driver for the emissions reductions. It is not known how the impacts of the pandemic will play out in subsequent years, but it is likely that some emissions may increase in 2021 as business activity and particularly travel (grey fleet) return to some sort of normality.

2.3 Emissions Intensity

Table 3 shows the emissions intensity using sales as the normalisation factor.

Table 3: Emissions Intensity 2020

Emissions in tCO ₂ e	TOTAL tCO ₂ e	Sales (million EUR)	tCO ₂ e/ million EUR
Rubix Total	27,403	2,378	11.53

About EcoAct

EcoAct, an Atos company, is an international advisory consultancy and project developer that works with clients to help them succeed in their climate ambitions. We work with many large and complex multinational organisations to offer solutions to their sustainability challenges.

We believe that climate change, energy management and sustainability are drivers of corporate performance and we seek to address business or organisational problems and opportunities in an intelligent way.

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