

Alpha-Nero CO2 footprint strategy 2023

In Conjunction with Our bespoke GHG Inventory software, Alpha-Nero is currently on a Journey to calculating CO2 emissions on a per project basis alongside capturing emissions for the company as a whole. In line with international standards and the GHG corporate protocols.

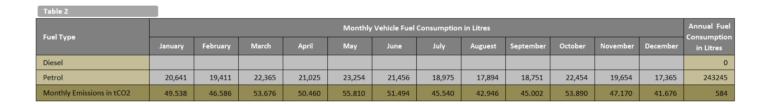
Scope 1

Alpha-Nero operates 5 primary vehicles for operational purposes.

Below shows the vehicle data for febuary of 2022 which is collected from our falcon vehicle tracking technology.

Object	Object Brand	Object Model	Start Odometer	Distance	Running V/S Stop	Running	Idle	Stop
X-96612	Toyota	Hilux	69593.45	5926.34	18.00% - 82.00%	130:49	43:49	569:21
O-42181	Toyota	Hiace	6504.19	5278.65	19.00% - 81.00%	135:28	39:07	569:24
C-57025	Toyota	Hilux	112526.57	4212.71	17.00% - 83.00%	97:18	42:58	469:51
N-95102	Mitsubishi	Pajero	441226.4	3276.9	13.00% - 87.00%	88:19	70:39	585:01
Q-92183	Toyota	Innova	31647.67	1946.3	9.00% - 91.00%	69:20	19:22	655:17

The monthly vehicle usage is then inputted into our GHG inventory which converts the distance coverded to emissions in tCO2e in line wich GHG protocols. 2022 data can be seen below.



That gives Alpha-Nero a net **584 tCO2e** for scope 1 in 2022. Alpha-Nero's commitment is to cut this **10% by the end of 2023.** This is to be achieved through new lower emission vehicles alongside more detailed and organised planning to reduce overall usage.

Scope 2

Below is the table of contents relating to Alpha-Nero's CO2 footprint with relation to Electrical usage for 2022

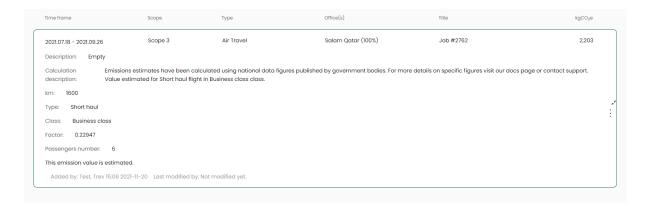
Month	Account A	Account B	Total KgCO2e	
January	7680	4587	12267	
February	10464	5489	15953	
March	5507	9856	15363	
April	11488	6837	18325	
May	9408	13452	22860	
June	13920	8582	22502	
July	12032	10952	22984	
August	16640	10115	26755	
September	19072	11891	30963	
October	16384	9718	26102	
November	15136	9568	24704	
December	10944	6856	17800	
Total			256578	

Alpha-Nero remains committed to reducing this footprint, through explorations into Carbon removals through its GHG inventory. Along side relocation to a leed certified factory which will harness renewable energy.

Scope 3

Business travel

Below details the impact of 6x short haul flights calculated by for a project completed by Alpha-Nero. Due to the enormous environmental impact Alpha-Nero is committing to reduce all business travel with the use of virtual platforms.



The development of a comprehensive GHG Inventory is allowing Alpha-Nero to target reduction within specific scopes and areas of each scope based upon the data. Based on the data below business travel has been cut. A modern fleet of vehicles with lower emissions are now in use. New and environmentally considered materials such as FSC woods are also in wider use. We are also seperating materials for recycling to reduce waste to landfill. This is data from 3 projects which have been tested and calculated in the GHG inventory tool.

Project Serial No	Start Date	End Date	Emission in tCO2								
			Electrical Energy Consumption	Water Consumption	Vehicle Travel	Employee Commute	Waste Generation	Air Travel	Material Consumption	Frieght Emission	Total Emissions
AN01	01/07/2022	19/08/2022	1.12	0.02	1.96	0.26	0.71	0.00	6.82	0.02	10.91
AN02	10/08/2022	02/11/2022	2.32	0.04	3.80	0.48	1.28	0.00	6.57	0.69	15.18
AN03	12/06/2022	19/08/2022	1.54	0.03	2.87	0.37	0.99	0.00	8.30	0.69	14.78