alperia

Alperia ESG Factbook 2024

Version 1.0

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This ESG Factbook contains key ESG indicators that are not included in the 2024 Consolidated Financial and Sustainability Statement.

The data in the ESG Factbook is published in addition to the Group Sustainability Statement[1]. The key figures reported in this ESG Factbook refer to the last three fiscal years (each from January 1 to December 31). They do not reflect materiality but are still calculated for contextual purposes and are based on the interests of certain stakeholder groups, such as rating agencies. They are therefore published in this document to offer additional insight and a more comprehensive understanding of Alperia's activities and overall performance.

Unlike the Group Sustainability Statement, the ESG Factbook is not subject to external review.

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[1] Consolidated Financial & Sustainability Statement 2024.pdf

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1. Emission Indicators

1.1 Carbon Intensity

Carbon Intensity				
	UdM	2024	2023	2022
SCOPE 1 (non biogenic+ biogenic)	**tCO2e**	**76.567**	**92.879**	**61.726**
1.a Stationary emissions	tCO2e	70.620	81.212	49.159
1.b Mobile combustion	tCO2e	867	978	992
1.c Industrial process	tCO2e	0	0	0
1.d Fugitive emissions	tCO2e	1.462	908	1.190
1.e Land use	tCO2e	0	0	0
Scope 1- Biogenic	tCO2e	3.618	9.781	10.386
SCOPE 2 – Location based	**tCO2e**	**2.506**	**2.435**	**1.632**
SCOPE 2 – Market based	**tCO2e**	**586**	**670**	**612**
Scope 1 + Scope 2 Market Based	**tCO2e**	**77.153**	**93.549**	**62.338**
Revenue	€	2.366.133.761	2.724.991.513	3.637.897.750
Exchange Rate EUR/USD[2]		1,03890	1,10459	1,06660
Revenue in $	$	2.458.176.364	3.009.998.375	3.880.181.740
Carbon Intensity	**tCO2e/US$m**	31	31	16

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[2] At 31.12

1.2 Carbon Intensity of Generation

Carbon Intensity of Generation				
	udM	2024	2023	2022
SCOPE 1				
1.a Stationary emissions	tCO2e	70.419,29	80.972,01	48.926,15
Scope 1-Biogenic				
1.a Stationary emissions	tCO2e	3.618,32	9.780,59	10.385,59
SCOPE 2				
Non renewable electric energy – Market based	tCO2e	0	30,35	157
Renewable electric energy – Market based	tCO2e	0	0	0
Thermal energy – Market based	tCO2e	585,6853	639,4627	454,805
Scope 1 + Scope 2 Market based per Generation	**tCO2e**	**74.623**	**91.422**	**59.924**
Production	**MWh**	**5.832.000**	**4.571.000**	**3.381.000**
Carbon Intensity of Generation	**tCO2e/MWh**	0,013	0,020	0,018

1.3 SOx & NOx Intensity

	UdM	2024	2023[3]	2022
Sox quantity	ton	0,0000017	0,0000011	5,84
Revenue	$	2.458.176.364	3.009.998.375	3.880.181.740
SOx Emission Intensity	**t/US$m**	**$6,92999 \times 10^{-10}$**	**$3,65449 \times 10^{-10}$**	**0,001505084**
Nox quantity	ton	185,1	213,7	44,41
Revenue	$	2.458.176.364	3.009.998.375	3.880.181.740
NOx Emission Intensity	**t/US$m**	**0,075304302**	**0,070996716**	**0,01144534**

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[3] As of 2023, the emission factor for NOx and SOx has been updated, which is the cause of deviations from what has been reported so far.

2. Waste Indicators

Waste				
	UdM	2024	2023	2022
Total Waste produced	Ton	3.340	3.287	2.067
Hazardous	Ton	2.641	2.710	
Not hazardous	Ton	719	573	
Total Waste disposed of[4]	Ton	3.360	3.283	2.055
of which:				
Diverted from disposal	Ton	2.893	2.639	1.485
Recycled	Ton	*1.804,79*	*851,13*	*1.279,87*
Reused	Ton	*1.087,97*	*1.788,02*	*205,49*
Sent to disposal	Ton	466,99	644	570
Incineration	Ton	*0,00*	*0,00*	
Landfill	Ton	*466,99*	*644*	*570*

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[4] The difference between waste produced and disposed of is due to the waste remaining in storage at the end of the year.

3. Certifications obtained by the Alperia Group

Certification / Business Unit	ISO 9001 Quality: 2015	ISO 14001 Environmental: 2015	ISO 45001 Health & Safety: 2018	ISO/IEC 27001 Information Security: 2022	ISO 50001 Energy: 2018	UNI PdR/125: 2022	UNI CEI 11352 ESCo: 2014	EMAS	Pas 24000: 2022	ISO 14067
Holding										
Alperia Spa	X	X	X	X	X	X				
Generation										
Alperia Greenpower	X	X	X		X	X		X	X	
Alperia Vipower	X	X	X					X		
Trading										
Alperia Trading	X	X	X			X				
Sales										
Alperia Smart Services	X	X	X		X	X				
Fintel Gas e Luce										
Networks										
Edyna	X	X	X		X	X				X
Neogy	X	X	X			X				
Heat & Services										

Alperia Ecoplus	X	X	X		X	X		X		
Smart Region										
Alperia Green Future	X	X	X			X	X			
Care4u										
Other										
Hydrodata	X	X	X			X				
Alperia Innoveering (99 Hydrodata)										