

# PERFORMANCE DATA

## Performance Data Collection and Calculation Method

Our general approach is to request data owners to confirm the accuracy of their data either through documented evidence or past operational performance. The data was approved and checked for any material errors both internally and externally. The data was approved and checked for any material errors both internally and externally.

## ENVIRONMENTAL PERFORMANCE

	unit	Airframe	Cabin	Component	Engine	HAECO Group Total		
						2020	2019	2018
<b>Energy Consumption<sup>1</sup></b>								
Direct energy consumption	GJ	170,017	6,097	332	225,857	402,304	446,473	430,297
Indirect energy consumption	GJ	259,641	23,475	22,949	135,496	441,561	502,229	494,592
Total energy consumption	GJ	429,658	29,572	23,281	361,353	843,865	948,702	924,889
Total energy consumption per man hour worked	MJ / attended hour	16.16	38.68	18.64	110.58	26.53	26.80	26.92

## ENVIRONMENTAL PERFORMANCE

	unit	Airframe	Cabin	Component	Engine	HAECO Group Total		
						2020	2019	2018
<b>Greenhouse Gas Emission<sup>2</sup></b>								
Direct emission (Scope 1)	kg CO <sub>2e</sub>	16,274,142	322,312	259,423	17,618,248	34,474,125	37,554,599	33,164,596
Indirect emission (Scope 2) <sup>3</sup>	kg CO <sub>2e</sub>	36,811,213	2,691,983	3,931,111	19,507,585	62,941,892	72,466,037	73,491,038
Emission from operation (Scope 1+ Scope 2)	kg CO <sub>2e</sub>	53,085,355	3,014,295	4,069,534	37,125,833	97,416,017	110,020,636	106,655,634
Emission from operation (Scope 1+ Scope 2) per man hour worked	kg CO <sub>2e</sub> / attended hour	2.00	3.94	3.26	11.36	3.06	3.11	3.10
Other indirect emission (Scope 3) by business air travel	kg CO <sub>2e</sub>	373,077	586,366	7,198	67,564	1,034,205	2,637,209	2,458,787
Total GHG Emission	kg CO <sub>2e</sub>	53,458,432	3,600,661	4,076,732	37,193,397	98,450,222	112,657,845	109,114,421
<b>Ozone Depleting Substances</b>								
Ozone depleting substances emitted	kg CFC-11e	116	-	1	-	117	670	33,451

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<b>Fuel</b>								
Jet Kerosene	tonnes	-	-	-	5,125	5,125	4,834	4,562
Diesel	L	3,139,304	12,312	1,845	-	3,153,461	4,400,166	4,001,729
LPG/ Propane	L	52,733	1,202	-	-	53,934	66,959	71,259
Unleaded Petrol	L	257,258	3,833	8,125	6,792	276,008	411,371	437,733
Towngas/ Natural Gas	MJ	43,355,996	5,498,213	-	474,144	49,328,353	60,724,154	66,372,723
<b>Electricity</b>								
Total electricity consumed	kWh	72,221,915	6,520,844	6,374,695	37,637,734	122,755,188	138,205,677	136,043,993
Renewable energy Generated	kWh	1,211,712	-	-	-	1,211,712	1,302,374	1,373,157
<b>Refrigerant / Fire Extinguishing Agent</b>								
Refrigerant / Fire extinguishing agent consumed	kg	6,291	-	114	1,077	7,482	6,761	8,088

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<b>Water</b>								
Potable water used	m <sup>3</sup>	359,233	15,136	14,053	150,286	538,708	600,508	633,306
Water discharged to sewer	m <sup>3</sup>	321,782	14,657	7,093	142,258	485,790	476,764	482,351
Water recycled	m <sup>3</sup>	35,193	-	5,009	-	40,202	50,178	45,542
Potable water used per man-hour used	attended hour	39.34	19.80	11.25	45.99	20.73	16.96	18.44
Total volume of water recycled per potable water used	%	9.8%	-	35.6%	-	7.5%	8.4%	7.2%
<b>Materials</b>								
Paper and paper products consumed	kg	146,673	1,887	3,863	21,780	174,202	217,293	221,963

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						2020	2019	2018
<b>Waste Management</b>								
Industrial / Commercial waste disposed of <sup>4</sup>	kg	2,976,748	130,496	29,060	777,550	3,913,854	4,302,445	3,956,416
Grease trap waste disposed of	kg	169,276	-	-	23,920	193,196	129,812	219,648
Food waste recycled	kg	87,098	-	1,065	23,377	111,539	147,619	156,672
Metal recycled	kg	112,334	2,532	25,715	7,424	148,005	191,239	181,806
Paper / Cardboard recycled	kg	292,471	-	2,235	41,472	336,177	382,657	368,809
Plastics recycled	kg	9,429	-	358	5,306	15,093	17,822	16,651
Wood recycled <sup>5</sup>	kg	8,460	-	-	93,690	102,150	223,930	605,710
Printing cartridges recycled	No.	796	-	128	529	1,453	1,453	1,312
Recyclable to General Waste Ratio (Solid)	%	14.6%	1.9%	50.3%	18.1%	15.4%	18.3%	25.1%

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<b>Hazardous Waste Managemnt</b>								
Liquid chemical waste disposed of	L	470,991	7,576	1,368	181,715	661,651	614,101	657,528
Solid chemical waste disposed of	kg	469,673	6,459	2,835	123,367	602,335	807,483	812,214
Kerosene recycled	L	172,108	-	-	5,200	177,308	210,822	218,867
Recycled Chemical Waste to Liquid Chemical Waste Ratio		26.8%	-	-	2.8%	21.1%	25.6%	25.0%
Significant chemicals / oil spills	No.	-	-	-	-	-	-	-

Note:

1. Energy consumption data was based on the amount of greenhouse gas reporting: conversion factors 2020 provided by Swire Pacific.
2. The Group's GHG inventory includes carbon dioxide, methane and nitrous oxide. Its GHG emissions data is presented in carbon dioxide equivalent and was based on the reporting requirements of the "GHG Protocol Corporate Accounting and Reporting Standard" (GHG Protocol) issued by the World Resources Institute and the World Business Council for Sustainable Development. The Group has adopted the "operational control" approach for defining its organisational boundary for the purpose of GHG accounting and reporting."
3. Scope 2 GHG emissions data was calculated according to the location-based method set out in the GHG Protocol as far as reasonably practical.
4. The waste in HAECO Component Overhaul (Xiamen) was handled by HAECO Xiamen and has been reported under HAECO Xiamen.