

# Gurit Greenhouse Gas Footprint Gurit Holding AG

## 2023 - 2020 GHG footprint - Scope 1 & 2 - Emission in tCO<sub>2</sub>e

Calculations based on GHG Protocol - revised 2020 methodology for fixed base year approach. Emissions from recipient companies in 2023 are included in the base year (2020) (even if the acquiring company didn't control these sources yet) to the current year (2023). Similarly, emission sources from divested facilities are excluded both with their emissions in the base year (when they were still controlled by the divesting company) and the current year.

	Reported in 2023 Sustainability Report				Notes:
	2023	2022 (revised)	2021 (revised)	2020 (revised)	
<b>Scope 1 Total</b>	<b>9,534</b>	<b>10,021</b>	<b>10,337</b>	<b>12,249</b>	
<b>Stationary combustion</b>	<b>7,173</b>	<b>7,890</b>	<b>8,467</b>	<b>9,748</b>	
Natural gas	5,726	6,650	5,847	7,027	Main increase comes from 2 sites.
Heating oil	0	0	0	8	
Methane	963	1,239	1,311	1,357	Main decrease comes from 1 sites which consumed less Methane than 2022
Liquefied petroleum gas (LPG)	4	5	0	0	
Wood	0	107	0	0	No more wood burned in 1 site as done in 2022
Diesel	448	1,153	1,256	1,283	Main decrease comes from 1 site which consumed much less diesel than 2022.
Petrol	0.1	16	35	64	Decrease mainly comes from 1 site.
<b>Mobile combustion</b>	<b>630</b>	<b>678</b>	<b>808</b>	<b>1,122</b>	
Diesel	439	402	500	782	
Petrol/gasoline	103	196	193	303	Less gasoline consumed in 4 Gurit sites
Natural Gas	9	0	0	3	
Liquefied petroleum gas (LPG)	79	82	116	24	
<b>Process emissions</b>	<b>1,428</b>	<b>1,181</b>	<b>814</b>	<b>618</b>	
N <sub>2</sub> O	0	50	0	1	
CO <sub>2</sub>	0.1	0.1	0.1	0.2	
Cyclopentane	1,262	917	601	480	Data corrected for Cyclopentane processing in 3 sites.
Other process emissions	136	164	213	136	
<b>Fugitive emissions</b>	<b>303</b>	<b>210</b>	<b>288</b>	<b>762</b>	
Acrylonitrile	1	3	21	18	
HFC-134a	0	0	0	0	
HFC-410A	0	0	15	6	
R-22	160	143	141	365	
Other fugitive emissions	141	65	82	373	Process gas not listed above reported for first time in 1 site.
<b>Scope 2 Total</b>	<b>28,655</b>	<b>28,788</b>	<b>26,688</b>	<b>23,550</b>	
<b>Scope 2 total integrating EAC renewable energy certificates purchased in 2021 (28 688 tCO<sub>2</sub>e)</b>	<b>28,655</b>	<b>26,953</b>	<b>523</b>	<b>23,550</b>	
Electricity	28,460	28,526	26,165	22,920	Error in emission factor defined in Sulytics tool for one site, discovered & corrected.
District heating	195	562	523	630	Main decrease comes from 1 site.
<b>Scope 1 + Scope 2 total</b>	<b>38,189</b>	<b>38,809</b>	<b>37,025</b>	<b>35,800</b>	

[www.gurit.com/ghg](http://www.gurit.com/ghg)

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### Evolution of the results in % compared to the reference year: 2020

	2023	2022 (revised)	2021 (revised)
<b>Scope 1 Total</b>	<b>-22.17%</b>	<b>-18.19%</b>	<b>-15.61%</b>
Stationary combustion	-26.41%	-18.14%	-13.24%
Mobile combustion	-41.82%	-39.43%	-27.97%
Process emissions	131.19%	86.46%	31.79%
Fugitive emissions	-60.26%	-72.37%	-66.10%
<b>Scope 2 Total</b>	<b>21.68%</b>	<b>22.24%</b>	<b>13.32%</b>
Electricity	24.17%	23.15%	14.16%
District heating	-68.99%	-10.83%	-17.05%
<b>Scope 1 &amp; 2 Total</b>	<b>6.67%</b>	<b>8.41%</b>	<b>3.42%</b>

Share of 2023 scope 1 & 2

Stationary combustion	18.78%
Mobile combustion	1.65%
Process emissions	3.74%
Fugitive emissions	0.79%
Electricity	74.52%
District heating	0.51%

Share of 2023 Scope 1, 2 & Partial 3

Stationary combustion	7.08%
Mobile combustion	0.62%
Process emissions	1.43%
Fugitive emissions	0.05%
Electricity	28.30%
District heating	0.19%

Share of 2023 total footprint

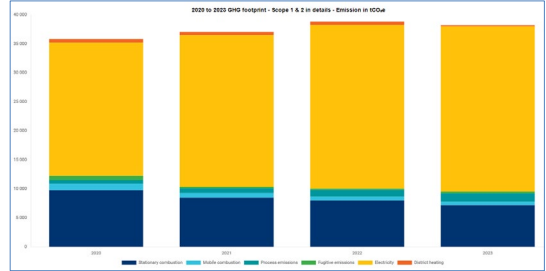
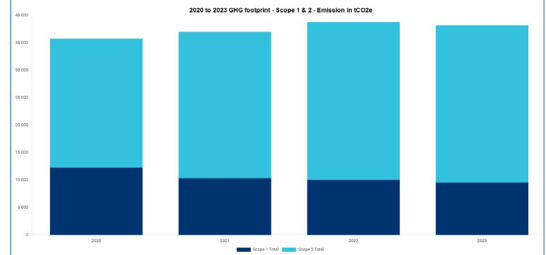
Stationary combustion	1.28%
Mobile combustion	0.11%
Process emissions	0.25%
Fugitive emissions	0.05%
Electricity	5.09%
District heating	0.03%

### Year-to-year evolution of footprint

	From 2022 to 2023	From 2021 to 2022	From 2020 to 2021
<b>Scope 1 Total</b>	<b>-4.86%</b>	<b>-3.06%</b>	<b>-15.61%</b>
Stationary combustion	-10.11%	-5.64%	-13.24%
Mobile combustion	-7.21%	-15.94%	-27.97%
Process emissions	23.99%	41.48%	31.79%
Fugitive emissions	43.81%	-18.49%	-66.10%
<b>Scope 2 Total</b>	<b>-0.46%</b>	<b>7.87%</b>	<b>13.32%</b>
Electricity	0.83%	7.88%	14.16%
District heating	-65.21%	7.50%	-17.05%
<b>Scope 1 &amp; 2 Total</b>	<b>-1.60%</b>	<b>4.82%</b>	<b>3.42%</b>

## Greenhouse Gas Footprint Gurit Holding AG Scope 1 and 2 Charts from Sulytics Tool

Calculation based on GHG Protocol, including 34 Gurit sites for fixed base year approach.



**2023 - 2020 GHG footprint - Scope 3 (indirect emissions) in tCO<sub>2</sub>e**

Calculation based on GHG Protocol, including 34 Gurit sites for fixed base year approach. Emissions from acquired companies in 2022 are included in the base year (2020) given if the acquiring company didn't control these sources yet in the current year (2022). Similarly, emission sources from divested facilities are excluded from the base year (when they were still controlled by the acquiring company) and the current year.

		Reported in 2023 Sustainability Report			
		2023	2022	2021	2020
<b>Scope 3 (partial) Total</b>		<b>63,081</b>	<b>67,526</b>	<b>76,024</b>	<b>68,166</b>
3-2	Capital goods	6,891	9,217	14,528	14,321
	Machinery and Equipment	2,662	3,218	2,503	1,631
	Office machinery and Computers	176	211	388	292
	Vehicles	0	n.a.	n.a.	n.a.
	Other capital goods	3,743	6,589	11,295	10,467
3-3	Fuel and energy related activities	6,680	8,721	6,747	8,111
	Transportation of raw materials (upstream)	19,823	13,092	15,937	0
3-4	Transportation of produced and traded products (upstream)	7,161	9,312	11,337	14,544
	Transportation of produced and traded products (downstream)	24,735	19,056	19,795	21,051
3-5	Waste generated in operations	1,828	2,131	2,221	4,132
	Business travel	1,721	1,478	1,682	1,460
3-6	Flights	1,061	752	1,207	1,060
	Accommodation	660	726	475	375
3-7	Employees commuting	3,553	3,809	3,789	4,957
	Others	1,505	1,032	2,475	2,553
<b>Further Scope 3</b>					
3-1	Purchased goods	456,483	693,080	776,952	715,086
	Raw materials (from virgin sources or unknown)	392,795	503,064	716,092	696,802
	Raw materials (mainly from recycled sources)	63,608	89,389	56,105	18,199
	Raw materials (bio-based)	n.a.	n.a.	n.a.	n.a.
	Packaging materials	160	627	4,255	85
	Use of sold products	n.a.	n.a.	n.a.	n.a.
3-12	End-of-Life Treatment of Sold Products	4,789	6,133	6,811	11,478
	Balsa wood	2,670	4,253	3,943	8,598
	PET	996	250	376	264
	SAN	23	23	17	61
	PVC	5	0	0	0
	Others	1,505	1,032	2,475	2,553
	<b>Total Scope 3</b>		<b>524,342</b>	<b>666,739</b>	<b>859,787</b>
<b>Footprint (Scope 1, Scope 2 and PARTIAL Scope 3)</b>		<b>101,270</b>	<b>106,335</b>	<b>113,049</b>	<b>103,965</b>
<b>Total Footprint (Scope 1, 2 and 3)</b>		<b>625,612</b>	<b>773,074</b>	<b>972,836</b>	<b>898,692</b>

**Notes:**  
**Restatements for restatements required in 2023 Sustainability Report**  
**Explanations for 2023 results**

Restatement for 2022, 2021 and 2020 results. Data was asked to Financial department instead of Sites

Restatement due to emission factor error in Sulytics tool for Electricity in 1 site.

Restatements:  
 - double counting in 1 site in 2022  
 - 1 site data removed for 2020 as we did not collect this data for the rest of our sites

Restatement due to measurement unit error for 1 site Hazardous waste

2020 & 2021: restatement to include 1 site data  
 2022: restatement due to 2 sites data

Data double counted in 1 Gurit site

**Evolution of the results in % compared to the reference year: 2020 (scope 3 - partial transportation)**

	2023 (tCO <sub>2</sub> e)	2022 (tCO <sub>2</sub> e)	2021 (tCO <sub>2</sub> e)
<b>Scope 3 Total</b>	<b>-34.02%</b>	<b>-16.10%</b>	<b>8.19%</b>
<b>Scope 3 (partial) Total</b>	<b>-7.46%</b>	<b>0.94%</b>	<b>11.53%</b>
Purchased goods	-31.17%	-17.09%	8.65%
Capital goods	-54.95%	-35.64%	1.50%
Fuel and energy related activities	-17.64%	7.32%	-18.81%
Transportation of raw materials (upstream)	-10.99%	-14.89%	-
Transportation of produced and traded products (upstream)	-50.76%	-35.07%	-22.05%
Transportation of produced and traded products (downstream)	17.50%	-9.48%	-5.96%
Waste generated in operations	-55.76%	-48.42%	-46.23%
Business travel	18.67%	15.66%	13.89%
Employees commuting	-22.05%	-16.43%	-16.65%
End-of-Life Treatment of Sold Products	-58.18%	-46.55%	-40.65%

Share of 2023 PARTIAL scope 3	Share of 2023 scope 3	Share of 2023 Scope 1, 2 & PARTIAL 3	Share of 2023 total footprint
100.00%	100.00%	62.29%	93.21%
10.43%	12.03%	1.17%	11.21%
10.59%	1.27%	8.86%	1.19%
17.16%	2.96%	10.69%	1.92%
11.93%	1.37%	7.07%	1.27%
39.21%	4.72%	24.42%	4.40%
2.90%	0.35%	1.80%	0.32%
2.73%	0.33%	1.70%	0.31%
5.63%	0.68%	3.51%	0.63%
	0.92%		0.85%

**Annual evolution**

	From 2022 to 2023	From 2021 to 2022	From 2020 to 2021
<b>Scope 3 Total</b>	<b>-21.35%</b>	<b>-22.45%</b>	<b>8.19%</b>
<b>Scope 3 (partial) Total</b>	<b>-6.58%</b>	<b>-11.16%</b>	<b>11.53%</b>
Purchased goods	-23.04%	-23.67%	8.65%
Capital goods	-38.65%	-36.59%	1.50%
Fuel and energy related activities	-23.41%	29.26%	-18.81%
Transportation of raw materials (upstream)	-20.43%	-14.65%	-
Transportation of produced and traded products (upstream)	-23.10%	-17.80%	-22.05%
Transportation of produced and traded products (downstream)	29.80%	-3.74%	-5.96%
Waste generated in operations	-14.23%	-4.07%	-46.23%
Business travel	2.80%	1.56%	13.89%
Employees commuting	-6.73%	0.27%	-16.65%
End-of-Life Treatment of Sold Products	-21.76%	-9.95%	-40.65%

**Greenhouse Gas Footprint Gurit Holding AG**  
**Scope 3**  
**Charts from Sulytics Tool**

Calculation based on GHG Protocol, including 34 Gurit sites for fixed base year approach.

