2023 - Hitit Computer Services Corporate Carbon Footprint Report

Firm:	Hitit Computer Services
Address:	Resitpasa Mah. Katar Cad. No: 4/1 Ari Teknokent 2 lc Kapi No: 601 34469 Maslak, Istanbul, Turkey

Goal:	Calculation of greenhouse gas emiss	ions in the operation limits as o	carbondioxide equivalent.
Scope:		Organizational Boundaries:	Hitit Turkey Office Hitit Pakistan Office
		Reporting Boundaries:	Direct greenhouse gas emissions reported within the organization's boundaries and indirect greenhouse gas emissions as a result of the organization's activities.

System Boundary:		Control Method	Base Year:		2022
Industry:		Commercial	Report Year		2023
Reporting Period:	1 Yea	r			
Data Entry:		Annual	Reporting Fi	requency:	1 Year
Number of Employees:		337 (Turkey) 3 (Pakistan)			
Production Volume:		-			
Working days:			Area (m²):		1128 (Turkey Offices) 90 (Pakistan Office) Netherlands
Global Warming Potentials		IPCC 6th AR: CO ₂ : 1	; CH ₄ : 27,9; N	₂ O: 273	

Carbon Footprint Results Information		
Scope 1: Direct Greenhouse Gas Emissions	15.94 -ton CO ₂ e	
Scope 2: Indirect Greenhouse Gas Emissions due to Energy – Location Based	111.57 -ton CO ₂ e	
Scope 2: Indirect Greenhouse Gas Emissions due to Energy – Market Based	111.57 -ton CO ₂ e	
Scope 3 - Other Indirect Emissions	1,045.34-ton CO ₂ e	
Total Emission:	1172.86-ton CO ₂ e	

Declaration Status:	Internal
Intended use of the report:	Internal

About the Reporting Company

Hitit was founded in 1994 by two female entrepreneurs. The primary goal of the founders, who come from the aviation industry, and the mission of the company was to operate entirely with domestic capital, break free from external dependencies, and transform Turkey into a country that exports technology. Embracing this philosophy, Hitit specializes in providing next-generation airline and travel software solutions to companies in the airline and travel sectors, especially airline companies. The company offers software solutions under the Crane brand for various needs such as reservation, ticketing, check-in, passenger departure control, crew planning, loyalty management, revenue accounting, cost accounting, tariff planning, operation control, team planning, tour operator/charter management, comprehensive performance measurement, and cargo.

Producing 100% Turkish aviation solutions that enable millions of people to travel every year, Hitit has earned several awards, including Eastern Europe's Best Aviation Software Company, Europe's Leading Passenger Service System Provider, Best Airline Reporting System, Niche Technology Firm of the Year, "Turkey's Best Sectoral Software Company" in tourism, "Airline Software Organization of the Year," and "Aviation Technology Organization of the Year." Hitit, as of March 3, 2022, is listed on Borsa Istanbul with the ticker symbol HTTBT.

About Semtrio Eğitim ve Danışmanlık Hiz. A.Ş.

Semtrio is an international company that provides high-level consultancy services to corporations in the fields of Environmental and Corporate Sustainability, with offices in Istanbul and London. Established in 2016 to realize zero emission targets, Semtrio has the titles of Turkey's largest sustainability company and B Corp company with the highest score today. We offer innovative sustainability solutions by evaluating the needs of sectors and companies with our expert team members and high-level consultancy services.

As a responsible company, we are proud to be a participant in the United Nations Global Compact, the largest corporate sustainability initiative in the world. We bear the title of Climate Positive Business and we zero all the carbon emissions we produce with our carbon offset projects. As a GRI Community member, we prepare sustainability reports in GRI standards.

We highly value nature, corporate transparency, innovation, equality, and our customers. We contribute to green transformation by supporting the transition to Industry 5.0 with our climate-tech solutions in the fight against climate change. We aim to make the world a more livable place by preventing global warming from exceeding 1.5 degrees with the latest technology solutions we have developed using the experience of our sustainability experts.

We provide strategic guidance to our customers on their zero-carbon journey within the framework of scientific-based objectives (SBT) based on international standards. Our mission is to be a company that inspires the industry in the field of climate technologies worldwide.

	Information on Personnel and Responsible Persons Involved in the Project			
Order	Name Surname	Title	Contact Information	
1	Aras Kubilay	Greenhouse Gas Rep.	aras.kubilay@hititcs.com	
2	Sevgi Karaman	Data Gathering Rep.	sevgi.karaman@hititcs.com	
3	Güvenç Aksoy	Data Gathering Rep.	guvenc.aksoy@hititcs.com	
4	Özgür Berke Özyurtlu	Climate Strategy Advisor	ozgurberkeozyurtlu@semtrio.com	

GHG Quantification Methodology

Followed Standard:	GHG Protocol: Guidance and specifications for calculating and reporting greenhouse gas emissions and removals at the corporate level
Allocation:	No data allocation was made.
Units:	Data for Scope 1 and 2 were taken into account as "kg", "m3", "L" or "kWh". For this reason, consumption measurements recorded in different units are calculated using the density coefficients from DEFRA. Data for Scope 3 were taken into account as "kWh", "L", "m3", "ton", "ton.km", "km" and unit conversions are made for relevant emission factors.
Carbon Emission due to Burning of Biomass:	None
Methodology Procedure:	Presented in the Firm Greenhouse Gas Emission Determination and Evaluation Procedure.
Greenhouse Gas Emission Reduction Studies (Guided Activities)	-
Calculation Method:	Calculation methods have been selected that minimize uncertainty and provide accurate, consistent, and repeatable results in the calculation of corporate greenhouse gas emissions. Since National Inventory Data was used for Electricity Tier 2 calculation method was used; as activity data was considered with Emission Factors taken from IPCC and DEFRA for all other calculations, Tier 1 calculation was used.
Calculation Formula:	GHG Emission Amount (CO2e) = (Consumption Measurement) x (Emission Factor)
Prioritization Analysis- Purchased Goods and Services	The "cut-off rule" for Purchased Goods and Services is applied, and all purchases with a greenhouse gas emission share exceeding 1% and of high importance for the continuation of production are included in the inventory. Scope 3 Category 1 includes office purchases at relevant locations under the name of Purchased Goods and Services, and for Category 2 capital goods, asset lists are taken into account.
Quantification Change:	There was no change made to the calculation approach.
Reporting Method:	Reported in compliance with the GHG Protocol requirements.
Verification	-
Verification Result	-

Refrigerant Gas Leakage/Fugitive Ratios			
Туре	Fugitive Ratio	Reference	
AC	%1	IPCC (2006), Vol 3, Chapter 7, Table 7.9	
Chiller / Cooling Systems	%2	IPCC (2006), Vol 3, Chapter 7, Table 7.9	
Refrigerator / Water Cooler	%0,1	IPCC (2006), Vol 3, Chapter 7, Table 7.9	
Fire Extinguisher	%4	IPCC Sixth Assessment Report, (AR 6th)	
FM200 Automatic Gaseous Extinguisher Systems	%2	IPCC/TEAP Special Report: Safeguarding the Ozone Layer and the Global Climate System, Volume 9, Fire Protection	

	Emission Factors	
Stationary Combustion	IPCC 2006, Volume2, Chapter 2, Table 2.3 - Default Emission Factors for Stationary Combustion in Manufacturing Industries and Construction	$EF (as'kWh') = \frac{Fuel's \ default \ content \ as \frac{kg}{Tj}}{277777,78 \ kWh/TJ}$
Mobile Combustion – On Road	IPCC 2006, Volume2, Chapter 3, Table 3.2.1 - Road Transport Default CO ₂ Emission Factors and Uncertainty Ranges &Table 3.2.2 - Road Transport N ₂ O and CH ₄ Default Emission	$= \frac{(Fuel's \ Default \ EF \ as \ \frac{kg}{Tj}) \times (NCV \ as \ \frac{Tj}{Gg})}{1000000kg/Gg}$

	Factors and Uncertainty Ranges & IPCC 2006, Volume2, Chapter 3
CO2 Equivalent	$CO2 e = (CO2 \times GWP(CO2)) + (CH4 \times GWP(CH4)) + (N2O \times (GWP(N2O)))$
EF for Electricity	Electricity (Turkey): 0,44 kg CO2e/kWh National Inventory, 2020
Refrigerant Gas	IPCC 6th AR 2023
Fire Extinguisher	CO ₂ Leakage Ratio: IPCC Sixth Assessment Report, (AR 6 th)
Capital Assets	DEFRA 2023, Material Use
Well-to-tank (WTT)	DEFRA 2023, WTT-Fuels
Electricity WTT and Transmission & Distribution	EPDK, 2022, National Average Loss Ratio DEFRA 2023, Transmission and distribution, WTT- UK & overseas electricity
Goods Transportation	DEFRA 2023, Freighting goods
Waste Transportation	DEFRA 2023, Freighting goods
Employee Commuting	https://theicct.org/sites/default/files/publications/EU-LCV-CO2-2030_ICCTupdate_20190123.pdf EF: 0,209 kgCO2e/km
Business Travel, Flights	DEFRA 2023, Business travel- air, Co2nnectorPro software
Water Consumption	DEFRA 2023, Water Supply
Water Treatment	DEFRA 2023, Water Treatment
Waste	DEFRA 2023, Waste Disposal
Net Calorific Value	IPCC 2006 Vol 2, Chapter 1 Table 1.2

Uncertainty Tracking Table		
Туре	Uncertainty %	
Natural Gas	3.0	
Diesel	7.0	
LPG	7.0	
Propane	7.0	
Petrol	7.0	
Gas Leakage	7.0	
Fire Extinguishers	7.0	
Electricity	3.5	
Raw Material Transportation	7.0	
Waste Transportation	7.0	
Personnel Transportation	7.0	
Work Travel	7.0	
Raw Material Usage	7.0	
Capital Assets	7.0	
Packaging Usage	7.0	
Waste	7.0	
Water Supply	7.0	
Wastewater Treatment	7.0	
Catering Services	7.0	
Produce End of Life	7.0	
Electricity Transmission and Distribution	7.0	
Electricity WTT-Production	7.0	
Electricity WTT- Transmission and Distribution	7.0	
WTT-Natural Gas	7.0	
WTT-LPG	7.0	
WTT-Propane	7.0	
WTT-Diesel	7.0	
WTT-Petrol	7.0	

Uncertainty ratios were taken from the firm's own meters and from the ones mentioned in the GHG protocol. Uncertainty values for Electricity and Natural Gas were taken as the maximum values from the Measurement and Measuring Instruments Inspection Regulation. Confidence Interval except the Electricity and Natural Gas was taken as 93%, and uncertainty value was taken as 7%.

	Uncertainty Calculations			
Confidence Interval:	% 96.41	Reference: IPCC, Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories		
Uncertainty Methodology:	GHG Uncertainty Tool			
Calculated Uncertainty:	Hitit Computer Services	%3.59		
Confidence Level:	Reasonable Assurance Limit			

Table 1: Hitit Computer Services 2023 Reporting Year – Greenhouse Gas Inventory List

Hitit Computer	Services GHG Protocol 2023	Greenhouse Gas Inventory List					
			First Publish Date	23/05/2024			
			Rev.Number/ Date:	v.01			
Scope	Emission Type	Emission Source	Reference of Activity Data	Reference for Emission Factor			
	Stationary Combustion	Natural Gas	Activity Data	IPCC, 2006	CO2, CH4, N2O		
Scope 1: Direct GHG	Mobile Combustion - On Road	Fuel Oil	Purchase Bills	IPCC, 2006	CO2, CH4, N2O		
Emissions	Fugitive Emissions	Refrigerant Gas Leaks	Inventory List	IPCC, 2006	CO2 eq		
	Fugitive Emissions	Fire Extinguishing Gas Leaks	Inventory List	IPCC, 2006	CO2 eq		
Scope 2 Electricity	Purchased Electricity		Activity Data	Turkish Ministry of Energy and Natural Resources, 2021	CO2 eq		
Indirect GHG Emissions	Purchased Heat and Co	ooling	Activity Data	IPCC, 2006	CO2 eq		
	Purchased goods and s	services	Purchase Bills	DEFRA, 2023 / US EPA - USEEIO 2022 / European Environment Agency, 2020	CO2 eq		
	Capital Goods		Purchase Bills	DEFRA, 2023	CO2 eq		
	Fuel and energy relate		Activity Data	DEFRA, 2023	CO2 eq		
	included in Scope 1 or	Scope 2	Activity Data	DEFRA, 2023	CO2 eq		
Scope 3	Upstream transportati	on and distribution	Inventory List	DEFRA, 2023	CO2 eq		
Other Indirect GHG Emissions	Employee commuting		Rotaban Service Data	DEFRA, 2023	CO2 eq		
	Business travel		Travel Agency Data	DEFRA, 2023	CO2 eq		
	Downstream transport	ration and	Inventory List	DEFRA, 2023	CO2 eq		
	Waste generated in op	erations	Waste Declaration Forms	DEFRA, 2023	CO2 eq		
	Water Supply and Was	tewater Treatment	Activity Data	DEFRA, 2023	CO2 eq		
	Use of sold products		Activity Data	Turkish Ministry of Energy and Natural Resources, 2021	CO2 eq		

Table 2: Hitit Computer Services 2023 Reporting Year – Greenhouse Gas Results

Organization Preparing the Report: Semtrio Sürdürülebilirlik Danışmanlığı Persons Responsible for the Report: Özgür Berke Özyurtlu Report Period: 1 January 2023-31 December 2023

Organizational Boundaries: Türkiye Ofisleri (Teknokent Arı-2, Emirgan Ofis), Pakistan Ofis, Netherlands Ofis

Hitit Bilgisayar 2023 Greenhouse Gas Emissions

	Hitit Bilgisayar 2023 Greenhouse Gas Emissions						
Scope	Emission Scope	Emission Source	Turkey	Pakistan	Netherlands	Total Emission, ton CO2e	
	Stationary Combustion	Natural Gas	2.77	-	0.01	2.77	
Scope 1 - Direct Greenhouse	Mobile Combustion (On Road)	Gasoline	2.80	-	-	2.80	
Gas Emissions	Fugitive Emissions	Refrigerants	0.22	10.15	-	10.37	
	Fugitive Emissions	Fire Extinguishing Devices	0.00	0.00	-	0.00	
Scope 2 - Energy-	Purchase	ed Electricity (Location-Based)	43.81	7.23	0.58	51.62	
Indirect Greenhouse	Purchased He	eat Energy (Natural Gas-Teknokent)	57.30	-	-	57.30	
Gas Emissions	Purchased H	eat Energy (Generator-Teknokent)	2.65	-	-	2.65	
	Category 1- Purchased Goods and Services	Purchased Office Supplies & Data center and cloud services & Water Service	258.36	0.03	-	258.39	
	Category 2- Fixed Assets	Fixed assets purchases (phones and computers)	4.26	-	-	4.26	
	Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Electric T&D	16.74	2.76	0.22	19.72	
Scope 3 - Other Indirect Emissions	Category 3- Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Natural Gas and Diesel and Gasoline	11.70	-	0.00	11.70	
	Category 4- Upstream Transportation and Distribution	Transportation of fixed goods and office supplies	0.13	-	-	0.13	
	Ca	tegory 6-Business Travel	649.83	-	-	649.83	
	Catego	ory 7-Employee Commuting	5.25	-	-	5.25	
	Category 5	-Waste Generated in Operations	0.07	-	-	0.07	
	Category 5-Waste Generated in Operations- Wastewater treatment		0.25	0.03	0.03	0.31	
	Categ	ory 11-Use of Sold Products	95.70	-	-	95.70	
		Sum	1,151.84	20.20	0.81	1,172.86	

Loca tion	GHG Scope	Scope	Emission Source	Activit y Data	Un it	Emiss ion Factor s	Unit of EF	EF CO2	Ton Co2	EF C H4	Ton CH4	EF N2 O	Ton N2O	Carbon Footpri nt Ton- CO2e
Turk ey	Scope 1 - Direct Greenhouse Gas Emissions	Stationary Combustion	Natural Gas	1,427.1 5	МЗ	1.94	kgCO2 e/M3	56.10	2.76	0. 00	0.00	0. 00	0.00	2.77
Neth erlan ds	Scope 1 - Direct Greenhouse Gas Emissions	Stationary Combustion	Natural Gas	3.62	М3	1.94	kgCO2 e/M3	56.10	0.01	0. 00	0.00	0. 00	0.00	0.01
Pakis tan	Scope 1 - Direct Greenhouse Gas Emissions	Fugitive Emissions	CO2	3.12	K G	1.00	kgCO2 e/KG	-	0.00	-	-	-	-	0.00
Turk ey	Scope 1 - Direct Greenhouse Gas Emissions	Mobile Combustion (On Road)	Motor Gasoline - Uncontrolled	1,189.6 2	LT	2.35	kgCO2 e/LT	69.30	2.68	0. 03	0.00	0. 01	0.00	2.80
Turk ey	Scope 1 - Direct Greenhouse Gas Emissions	Fugitive Emissions	R-407C	0.02	K G	1,907. 93	kgCO2 e/KG	-	0.04	-	-	-	-	0.04
Turk ey	Scope 1 - Direct Greenhouse Gas Emissions	Fugitive Emissions	CO2	0.20	K G	1.00	kgCO2 e/KG	-	0.00	-	-	-	-	0.00
Pakis tan	Scope 1 - Direct Greenhouse Gas Emissions	Fugitive Emissions	R-410A	4.50	K G	2,255. 50	kgCO2 e/KG	-	10.15	-	-	-	-	10.15
Turk ey	Scope 1 - Direct Greenhouse Gas Emissions	Fugitive Emissions	R-410A	0.08	K G	2,255. 50	kgCO2 e/KG	-	0.18	-	-	-	-	0.18
Turk ey	Scope 2 - Energy- Indirect Greenhouse Gas Emissions	Electricity	Specific to Company – Market Based	4,770.7 4	k W h	0.44	kgCO2 e/kWh	-	2.09	-	-	-	-	2.09
Turk ey	Scope 2 - Energy- Indirect Greenhouse Gas Emissions	Electricity	Specific to Company – Location Based	4,770.7 4	k W h	0.44	kgCO2 e/kWh	-	2.09	-	-	-	-	2.09
Turk ey	Scope 2 - Energy- Indirect Greenhouse Gas Emissions	Heat and Steam	Specific to Company	283,46 3.27	k W h	0.20	kgCO2 e/kWh	-	0.06	-	0.00	-	0.00	57.30
Turk ey	Scope 2 - Energy- Indirect Greenhouse Gas Emissions	Electricity	Specific to Company – Market Based	95,014. 00	k W h	0.44	kgCO2 e/kWh	-	41.71	-	-	-	-	41.71
Turk ey	Scope 2 - Energy- Indirect Greenhouse Gas Emissions	Electricity	Specific to Company – Location Based	95,014. 00	k W h	0.44	kgCO2 e/kWh	-	41.71	-	-	-	-	41.71
Turk ey	Scope 2 - Energy- Indirect Greenhouse Gas Emissions	Heat and Steam	Specific to Company	9,913.8 9	k W h	0.27	kgCO2 e/kWh	-	0.00	-	0.00	-	0.00	2.65
Neth erlan ds	Scope 2 - Energy- Indirect Greenhouse Gas Emissions	Electricity	Specific to Company – Market Based	1,325.8 1	k W h	0.44	kgCO2 e/kWh	-	0.58	-	-	-	-	0.58
Neth erlan ds	Scope 2 - Energy- Indirect Greenhouse Gas Emissions	Electricity	Specific to Company – Location Based	1,325.8 1	k W h	0.44	kgCO2 e/kWh	-	0.58	-	-	-	-	0.58
Pakis tan	Scope 2 - Energy- Indirect Greenhouse Gas Emissions	Electricity	Specific to Company – Market Based	16,469. 65	k W h	0.44	kgCO2 e/kWh	-	7.23	-	-	-	-	7.23
Pakis tan	Scope 2 - Energy- Indirect Greenhouse Gas Emissions	Electricity	Specific to Company – Location Based	16,469. 65	k W h	0.44	kgCO2 e/kWh	-	7.23	-	-	-	-	7.23
Turk ey	Scope 3 ; Category 2- Capital Goods	Capital Goods	Electronic Product	171.35	K	24.87	kgCO2 e/KG	24.87	4.26	-	-	-	-	4.26
Turk ey	Scope 3 ; Category 6- Business Travel	Business Travel	Business Travel (airway)	315,11 7.51	km	0.15	kgCO2 e/km	-	48.38	-	-	-	-	48.38
Turk ey	Scope 3 ; Category 6- Business Travel	Business Travel	Business Travel (airway)	5,411.0 4	km	0.23	kgCO2 e/km	-	1.23	-	-	-	-	1.23
Turk ey	Scope 3 ; Category 6- Business Travel	Business Travel	Business Travel (airway)	530,01 8.37	km	0.15	kgCO2 e/km	-	80.04	-	-	-	-	80.04

Turk ey	Scope 3; Category 6- Business Travel	Business Travel	Business Travel (airway)	252,98 1.23	km	0.43	kgCO2 e/km	-	108.48	-	-	-	-	108.48
Turk ey	Scope 3 ; Category 6- Business Travel	Business Travel	Business Travel (airway)	822,99 7.80	km	0.15	kgCO2 e/km	-	121.70	-	-	-	-	121.70
Turk ey	Scope 3 ; Category 6- Business Travel	Business Travel	Business Travel (airway)	1,501,8 99.67	km	0.19	kgCO2 e/km	-	290.00	-	-	-	-	290.00
Turk ey	Scope 3; Category 7- Employee Commuting	Employee Commuting	Employee Services (ICCT)	25,116. 00	km	0.21	kgCO2 e/km	0.21	5.25	-	-	-	-	5.25
Pakis tan	Scope 3; Category 1- Purchased Goods and Services	Water Supply	Water Supply	156.94	МЗ	0.18	kgCO2 e/M3	-	0.03	-	-	-	-	0.03
Turk ey	Scope 3; Category 1- Purchased Goods and Services	Water Supply	Water Supply	72.00	МЗ	0.18	kgCO2 e/M3	-	0.01	-	-	-	-	0.01
Turk ey	Scope 3; Category 1- Purchased Goods and Services	Water Supply	Water Supply	1,323.4 5	МЗ	0.18	kgCO2 e/M3	-	0.23	-	-	-	-	0.23
Turk ey	Scope 3; Category 4- Upstream Transportation and Distribution	Upstream Transportation and Distribution	HGV - All rigids - Average Laden	412.05	ton .k m	0.23	kgCO2 e/ton.k m	0.23	0.09	-	-	-	-	0.09
Turk ey	Scope 3; Category 4- Upstream Transportation and Distribution	Upstream Transportation and Distribution	HGV - All rigids - Average Laden	151.70	ton .k m	0.23	kgCO2 e/ton.k m	0.23	0.03	-	-	-	-	0.03
Turk ey	Scope 3; Category 4- Upstream Transportation and Distribution	Upstream Transportation and Distribution	HGV - All rigids - Average Laden	2.91	ton .k m	0.58	kgCO2 e/ton.k m	0.58	0.00	-	-	-	-	0.00
Pakis tan	Scope 3; Category 5- Waste Generated in Operations	Water Treatment	Waste Water Treatment	141.25	МЗ	0.20	kgCO2 e/M3	-	0.03	-	-	-	-	0.03
Turk	Scope 3; Category 5- Waste Generated in Operations	Waste Disposal	Paper (Mixed)	52.43	K G	0.02	kgCO2 e/KG	0.02	0.00	-	-	-	-	0.00
Turk ey	Scope 3; Category 5- Waste Generated in Operations	Water Treatment	Waste Water Treatment	64.80	МЗ	0.20	kgCO2 e/M3	-	0.01	-	-	1	-	0.01
Turk ey	Scope 3; Category 5- Waste Generated in Operations	Water Treatment	Waste Water Treatment	1,191.1 0	МЗ	0.20	kgCO2 e/M3	-	0.24	-	-	-	-	0.24
Turk ey	Scope 3; Category 5- Waste Generated in Operations	Waste Disposal	Plastic (Mixed)	1,281.6 8	K G	0.02	kgCO2 e/KG	0.02	0.03	-	-	-	-	0.03
Turk ey	Scope 3; Category 5- Waste Generated in Operations	Waste Disposal	Batteries	1,936.1 2	K G	0.02	kgCO2 e/KG	0.02	0.04	-	-		-	0.04
Turk ey	Scope 3;Category 11- Use of Sold Products	Use of Sold Products	Software Usage	218,00 0.00	k W h	0.44	kgCO2 e/kWh	0.44	95.70	-	-		-	95.70
Turk ey	Scope 3;Category 1- Purchased Goods and Services	Purchased Goods and Services	Data Center Service	477,00 0.00	k W h	0.44	kgCO2 e/kWh	0.44	209.40	-	-	-	-	209.40
Turk ey	Scope 3;Category 1- Purchased Goods and Services	Purchased Goods and Services	Data Center Service	24,095. 80	k W h	0.44	kgCO2 e/kWh	0.44	10.58	-	-	-	-	10.58
Turk ey	Scope 3;Category 1- Purchased Goods and Services	Purchased Goods and Services	Cloud Service - Belgium	77,844. 31	k W h	0.17	kgCO2 e/kWh	0.17	13.00	-	-	-	-	13.00
Turk ey	Scope 3;Category 1- Purchased Goods and Services	Purchased Goods and Services	Office Purchases	2,227.8	US D	0.03	kgCO2 e/USD	0.03	0.08	-	-	-	-	0.08
Turk ey	Scope 3;Category 1- Purchased Goods and Services	Purchased Goods and Services	Cloud Service - Germany	76,942. 55	k W	0.31	kgCO2 e/kWh	0.31	24.16	-	-	1	-	24.16
Turk ey	Scope 3;Category 1- Purchased Goods and Services	Purchased Goods and Services Other Business	Office Purchases (Paper)	2,265.9 9	US D	0.39	kgCO2 e/USD	0.39	0.89	-	-	-	-	0.89
Neth erlan ds	Scope 3;Category 3- Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Other Business Rules	vv i i -ivaturai Gas	3.62	МЗ	0.34	kgCO2 e/M3	-	0.00	-	-	-	-	0.00
Pakis tan	Scope 3;Category 3- Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Other Business Rules	Elektric WTT- Generation	16,469. 65	k W h	0.10	kgCO2 e/kWh	-	1.69	-	-	-	-	1.69

Turk ey	Scope 3;Category 3- Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Other Business Rules	Elektric WTT- Generation	99,784. 74	k W h	0.10	kgCO2 e/kWh	-	10.24	-	-	-	-	10.24
Neth erlan ds	Scope 3; Category 3- Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Other Business Rules	Elektric WTT- Generation	1,325.8 1	k W h	0.10	kgCO2 e/kWh	-	0.14	-	-	-	-	0.14
Turk ey	Scope 3; Category 3- Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Other Business Rules	Elektric WTT- Transmission and Distribution	99,784. 74	k W h	0.01	kgCO2 e/kWh	-	1.27	-	-	-	-	1.27
Neth erlan ds	Scope 3; Category 3- Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Other Business Rules	Elektric WTT- transmission and distribution	1,325.8 1	k W h	0.01	kgCO2 e/kWh	-	0.02	-	-	-	-	0.02
Turk ey	Scope 3; Category 3- Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Other Business Rules	WTT-Natural Gas	30,955. 00	M3	0.34	kgCO2 e/M3	-	10.42	-	-	-	-	10.42
Neth erlan ds	Scope 3;Category 3- Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Other Business Rules	Elektric transmission and distribution	1,325.8 1	k W h	0.05	kgCO2 e/kWh	-	0.07	-	-	-	-	0.07
Turk ey	Scope 3;Category 3- Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Other Business Rules	WTT-Diesel	1,000.0	LT	0.61	kgCO2 e/LT	-	0.61	-	-	1	-	0.61
Turk ey	Scope 3;Category 3- Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Other Business Rules	Elektric Transmission and Distribution	99,784. 74	k W h	0.05	kgCO2 e/kWh	-	5.23	-	-	-	-	5.23
Pakis tan	Scope 3; Category 3- Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Other Business Rules	Elektric transmission and distribution	16,469. 65	k W h	0.05	kgCO2 e/kWh	-	0.86	-	-	-	-	0.86
Pakis tan	Scope 3; Category 3- Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Other Business Rules	Elektric WTT- transmission and distribution	16,469. 65	k W h	0.01	kgCO2 e/kWh	-	0.21	-	-	-	-	0.21
Turk ey	Scope 3; Category 3- Fuel- and Energy- Related Activities Not Included in Scope 1 or Scope 2	Other Business Rules	WTT-Gasoline	1,153.3 9	LT	0.58	kgCO2 e/LT	-	0.67	-	-	-	-	0.67

Fuel Density Unit Conversions									
Occasilla Frank	. 2	Daniella Elassifica							
General Use Fossil Fuels	Density – kg/m ³	Density – liters/ton							
Airplane Fuel	729.93	1,370.00							
Airplane Turbine Fuel	800.00	1,250.00							
Coal (Domestic)	850.00	1,176.00							
Diesel	843.17	1,186.00							
Diesel (Average Biodiesel Mix)	846.17	1,181.80							
Fuel-oil	983.28	1,017.00							
Gas Oil	853.97	1,171.00							
LPG	529.75	1,887.69							
Natural Gas	0.80	1,255,833.57							
Other Petrol Gas	366.30	2,730.00							
Petrol	735.00	1,348.00							
Petrol (biopetrol mix)	744.17	1,343.79							
Propane	514.93	1,942.00							
Other Fuels									
Biodiesel	890.00	1,124.00							
Biogas	1.15	869,565.00							
Biomethane	0.73	1,379,355.67							
CNG	175.00	5,714.00							
Waste Gas	1.30	769,231.00							
LNG	452.49	2,210.00							
Gases									
Methane (CH4)	0.72	1,397,112.11							
Carbon dioxide (CO2)	1.96	509,290.00							

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