- Market Based

information with ordery										
Company:	Hitit Bilgisayar Hizmetleri A.Ş.									
Address:	Reşitpaşa Mah. Katar Cad. No: 4/1 Arı Teknokent İç Kapı No: 601 34469									
Purpose:	Quantification and reporting of greenhouse gas (GHG) emissions at the organization level.									
Scope:		Org	janization Boundaries	: Op	erational Control A	pproach				
	- Energy Indirect Greenhouse Gas Emissions	Por	oorting Limits:	-						
	- Other Indirect Greenhouse Gas Emissions	Ket	Jorting Ennits.	Türl	Türkiye,Pakistan ,The Netherlands					
Industry:	Services		Base Year:		2022					
Turnover for the reporting			Report Year:							
year(TL):										
Data Input:	Yearly		Report Period:		1					
Number of Employees:	392		Report Frequency		1					
Number of working days:	255		Area (m2):		0					
Global Warming Potentials:	IPCC Sixth Assessment Report: CO2:1 CH4:27.9 NO2:273		7							
2										
	Carbon Footprint Result Inform	nati	on							
Calculation Year			Bo	ase Yea	r Emissions					
Scope 1: Direct greenhouse	15.940248590789292 -ton CO2e		Sc	cope 1: [Direct greenhouse	-ton CO2e				
gas emissions			go	as emis	sions					
Scope 1: Biomass GHG	0 -ton CO2e		Sc	cope 1: E	Biomass GHG	-ton CO2e				
emissions			emissio		s					
Scope 2: Energy indirect	111.57573392178703 -ton CO2e		Sc	cope 2:	Energy indirect	-ton CO2e				
greenhouse gas emissions		gr	reenhou	use gas emissions						

Scope 2: Energy indirect	111.57573392178703 -ton CO2e	Scope 2: Energy indirect	-ton CO2e
greenhouse gas emissions		greenhouse gas emissions	
- Location Based		- Location Based	
Scope 3: Other indirect	1045.3437938479012 -ton CO2e	Scope 3: Other indirect	-ton CO2e
greenhouse gas emissions		greenhouse gas emissions	
Total Emission:	1172.86 ton CO2e	Total Emission:	- ton CO2e
Carbon Footprint Density -	2991.9897959183672 Kg CO2e / Person		
Employee Count:			
Statement Status:	To be declared - In-company		
4	About the Company		
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Market Based

As one of the top 3 largest passenger service system providers trusted by dozens of airlines around the world, Hitit is laser-focused on delivering, agile and innovative solutions backed by deep aviation industry experience. From individual team members all the way up to senior management, Hitit is made up of just the right combination of cutting-edge tech enthusiasts and airline industry veterans, guided and governed by our user community – or as we call them, our partners. This enables us to provide all our partners, regardless of their size or business model, whether an ambitious low- cost start up or an established full-service carrier looking to modernize, with the right tools to achieve their goals both today and tomorrow.

Followed standard:	GHG Protocol
Allocations:	Data allocation could not be made.
Units:	For Category 1 and Category 2, the data is "kg", "L" or "kWh". is being processed. For this reason, consumption collected in different units using the density coefficients of DEFRA. is calculated. Category 3, 4, 5 and 6 data are "kWh", "L", "ton.km", "km", "ton", "m3" for the relevant emission factors unit conversions.
Carbon emission from biomass combustion:	No
Methodology Procedure:	The firm is presented in the Greenhouse Gas Emission Identification and Evaluation Procedure.
Greenhouse Gas Emission Reduction Studies (Guided Activities)	Greenhouse gas emission reduction studies within the company and production reduction resulting from energy efficiency projects in its facilities amounts are targeted. In addition, the company's renewable in energy investment plans. These efficiency studies and the results of the investments are calculated with annual greenhouse gas inventories, annual decreases will be followed.
Calculation Method:	Tier 2 for electricity, Tier 3 for natural gas and coal, Tier 1 for all other accounts
Account Formula:	Greenhouse Gas Emission Amount (CO2e) = (Consumption Amount) x (Emission Factor)
Prioritization Analysis- Purchased Goods and Services	Emissions from purchased goods and services have been added to Category 4 in accordance with the completeness and accuracy principle of Annex-H, H.3.1 of the relevant standard. However, by applying the "cut-off rule", all purchases that remain above 1% financially and that are of high importance for the continuation of production are included in the inventory. Due to the high workload and effort required by the company to obtain some data, inventory calculations were not made and/or secondary databases were used.
Quantification Change:	Therefore, no changes were made in the quantification approach.
Reporting Method:	It has been reported in accordance with the requirements in ISO 14064-1:2018 standard, Chapter 9: GHG Reporting.
Verification	

	Refrigerant Gas Leakage Rates								
Туре	Leakage Rate	Referance							
Refrigerator	%0,1	IPCC 5th AR							
Water Dispensers	%0,1	IPCC (2006), Vol 3. Chapter 7, Table 7.9							
Split Air Conditioner	%1	IPCC 5th AR							
Home Type Air Conditioner	%1	IPCC (2006). Vol 3. Chapter 7, Table 7.9							
Cold room	%7	IPCC 5th AR							
Industrial Cooler	%7	IPCC 5th AR							
Chiller / Cooling Systems	%2	IPCC (2006). Vol 3. Chapter 7, Table 7.9							
Fire Extinguisher Tubes	%4	IPCC/TEAP Special Report, Safeguarding the Ozone Layer and the Global Climate System. Volume 9, Fire Protection							
Central System	%2	IPCC 5th AR							

	Emission Factors
Fire Extinguishing	CO2 Calculation: IPCC Fifth Assessment Report, 2014 (AR5) HFC 227ea Calculation: Defra, 2021
Well-to-tank (WTT)	Defra, 2021, WTT-Fuels
Raw Material Shipping	Defra, 2021, Freighting goods
Products Shipping	Defra, 2021, Freighting goods
Personnel Service	https://theicct.org/sites/default/files/publications/EU-LCV-CO2-2030_ICCTupdate_20190123.pdf
Business Travel, Flights	Business Travel, Flights Defra, 2021, Business travel- air
Raw materials	Simapro, v9.1, Ecoinvent v3.7.1
Water Consumption	Defra, 2021, Water Supply
Service	
Water Treatment Service	Defra, 2021, Water Treatment
Wastes	Defra, 2021, Waste Disposal
Waste, Mud	IPCC (2006), Vol 5, Chapter 5, Table 5.3 ve Table 5.4
Electricity WTT and	Electricity WTT and Transmission & Distribution Defra, 2021, Transmission and distribution, WTT- UK & overseas elec
Transmission & Distribution	
Net Calorific Value (NCV)	IPCC 2006 Vol 2, Chapter 1 Table 1.2
IPCC 2006 Vol 2, Chapter 1	
Table 1.2	

Uncertainty Confidence Interval	95%	IPCC, Good	Practice Gu	idance and Uncerte	ce and Uncertainty Management in National Greenhouse Gas Inventories							
Uncertainty Methodology	GHG Uncertainty Tool	G Uncertainty Tool										
Calculated Uncertainty	% 3.57	3.57										
Confidence Level	Good											
Scope	Emission Type	Emission Source	Location	tonne CO2	tonne CH4	tonne N2O	tonne CO2 eq	Description	Scope	tCO2eq		
1.1 Stationary Combustion	Stationary Combustion	Natural Gas	Türkiye	2.76361431091	0.00004926228 7	0.00000492622 9	2.766333589163	Emirgan Office				
1.1 Stationary Combustion	Stationary Combustion	Natural Gas	Holland a	0.007011523972	0.000000124983	0.00000012498	0.007018423012	Netherlands Natural Gas Consumption				
1.2 Mobile Combustion (On Road)	Mobile Combustion (On Road)	Motor Gasoline – Oxidation Catalyst	Türkiye	2.684309305293	0.00096836555	0.00030987697 6	2.795923118615	Gasoline Consumption		15.9402485907		
1.4 Fugitive Emissions	Fugitive Emissions	CO2	Pakistan	0.00312	0	0	0.00312	Pakistan Fire extinquisher	1 '	89292		
1.4 Fugitive Emissions	Fugitive Emissions	R-407C	Türkiye	0.04197446	0	0	0.04197446	airconditioner-ARI2				
1.4 Fugitive Emissions	Fugitive Emissions	CO2	Türkiye	0.0002	0	0	0.0002	fire extinguisher-ARI2]			
1.4 Fugitive Emissions	Fugitive Emissions	R-410A	Pakistan	10.14975	0	0	10.14975	Pakistan refrigerant]			
1.4 Fugitive Emissions	Fugitive Emissions	R-410A	Türkiye	0.175929	0	0	0.175929	airconditioner-ARI2]			

taint Calculations

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Scope	Emission Type	Emission Source	Location	tonne CO2	tonne CH4	tonne N2O	tonne CO2 eq	Description	Scope	tCO2eq
2.1 Purchased Electricity	Electricity (Turkey) -	Location Based	Türkiye	2.094353087679	0	0	2.094353087679	Emirgan Office Electric consumption		
2.1 Purchased Electricity	Electricity (Turkey) -	Market Based	Türkiye	2.094353087679	0	0	2.094353087679	Emirgan Office Electric consumption		
2.1 Purchased Electricity	Electricity (Turkey) -	Location Based	Türkiye	41.711146	0	0	41.711146	ARI2 Office Electric consumption	1	
2.1 Purchased Electricity	Electricity (Turkey) -	Market Based	Türkiye	41.711146	0	0	41.711146	ARI2 Office Electric consumption	1	
2.1 Purchased Electricity	Specific to Company	- Location Based	Holland a	0.5820290096	0	0	0.5820290096		2	111.5757339217 8703
2.1 Purchased Electricity	Specific to Company	- Market Based	Holland a	0.5820290096	0	0	0.5820290096			
2.1 Purchased Electricity	Specific to Company	- Location Based	Pakistan	7.230176642738	0	0	7.230176642738	Pakistan Elektric Comsumption	1	
2.1 Purchased Electricity	Specific to Company	- Market Based	Pakistan	7.230176642738	0	0	7.230176642738	Pakistan Elektric Comsumption	1	
2.2 Heat and Steam	Specific to Company		Türkiye	0.055458171131	0.000277783515	0.000222914947	57.304566906769	Teknokent Office (natural gas)	1	
2.2 Heat and Steam	Specific to Company		Türkiye	0.001939602947	0.000009715245	0.000007796263	2.653462275	Teknokent Office (diesel)	1	

Scope	Emission Type Emission Source	Location	tonne CO2	tonne CH4	tonne N2O	tonne CO2 eq	Description	Scope	tCO2eq
	HGV – All rigids – Average Laden	Türkiye	0.094923588616	0	0	0.094923588616	Waste Transport.xlsx (3 trip(s))		
Transportation and									
Distribution		m Carlaba a	0.004047070000	<u>_</u>	0	0.004047070000	0		
3.1 Downstream Transportation and	HGV – All rigids – Average Laden	Türkiye	0.034947076889	0	U	0.034947076889	Good Purchased Transport.xlsx (41 trip(s))		
Distribution									
	HGV – All rigids – Average Laden	Türkiye	0.001672702778	0	0	0.001672702778	Capital Goods Transport.xlsx (47		
Transportation and Distribution							trip(s))		
	Employee Services (ICCT)	Türkiye	5.249244	0	0	5.249244			
	Bussiness Travel (airway)	, Türkiye	48.37999216728	0	0	48.37999216728	Hitit 2023.xlsx (201 kişi), Average		
		,					Passenger - With RF		
3.5 Business Travels	Bussiness Travel (airway)	Türkiye	1.225708312998	0	0	1.225708312998	Hitit 2023.xlsx (3 kişi), Business		
							Class - With RF		
3.5 Business Travels	Bussiness Travel (airway)	Türkiye	80.043377124345	0	0	80.043377124345	Hitit 2023.xlsx (313 kişi), Economy Class – With RF		
3.5 Business Travels	Bussiness Travel (airway)	Türkiye	108.483414450749	0	0	108.483414450749	Hitit 2023.xlsx (32 kişi), Business		
		,					Class - With RF		
3.5 Business Travels	Bussiness Travel (airway)	Türkiye	121.696687979017	0	0	121.696687979017	Hitit 2023.xlsx (133 kişi), Economy		
							Class - With RF		
3.5 Business Travels	Bussiness Travel (airway)	Türkiye	290.001817369926	0	0	290.001817369926	Hitit 2023.xlsx (275 kişi), Average Passenger – With RF		
4.1 Purchased Goods and	Veri Merkezi Hizmeti	Türkiye	209.403	0	0	209.403	Data Center (Verizon) - Elektric		
Services		,-					. ,		
	Veri Merkezi Hizmeti	Türkiye	10.5780562	0	0	10.5780562	Data Center (İşnet) – Elektric		
Services				-	-				
4.1 Purchased Goods and Services	Bulut Hizmeti – Belçika	Türkiye	13	0	0	13	Cloud servis (Google)		
	Ofis Satın Alımları	Türkiye	0.076196365084	0	0	0.076196365084	Office Purchases (stationery other		
Services							than paper)		
	Bulut Hizmeti - Almanya	Türkiye	24.15996	0	0	24.15996	Cloud servis (IBM)		
Services				-	-				
4.1 Purchased Goods and Services	Ofis Satın Alımları (kağıt)	Türkiye	0.894051182527	0	0	0.894051182527	Office Purchases (paper)		
4.2 Capital Goods	Elektronik Ürün	Türkiye	4.26065026704	0	0	4.26065026704	Capital Goods		
	Batteries	, Türkiye	0.001115804488	0	0	0.001115804488			
	Paper (Mixed)	, Türkiye	0.027275220807	0	0	0.027275220807		3	1045.34379384 79012
	Plastic (Mixed)	Türkiye	0.041202113855	0	0	0.041202113855			,0012
4.4 Water Treatment	Waste Water Treatment	Pakistan	0.028435253336	0	0	0.028435253336			
4.4 Water Treatment	Spesific To Company Waste Water Treatment	Türkiye	0.013045425303	0	0	0.013045425303	Emirgan		
4.4 Water Treatment	Spesific To Company Waste Water Treatment	Türkiye	0.239791037039	0	0	0.239791037039	-		
4.5 Water Supply	Water Supply	Pakistan	0.027728726375	0	0	0.027728726375			
4.5 Water Supply	Water Supply	Türkiye	0.012721287354	0	0	0.012721287354	Emirgan		
4.5 Water Supply	Water Supply	Türkiye	0.233832981003	0	0	0.233832981003			
5.2 Use of Sold Products	Yazılım Kullanımı	Türkiye	95.702	0	0	95.702	Hitit Server – Pegasus		
6 Indirect GHG Emissions	WTT-Natural Gas	Holland	0.001218759597	0	0	0.001218759597			
from Other Sources		a							
6 Indirect GHG Emissions from Other Sources	Elektric WTT-Generation	Pakistan	1.690700403876	0	0	1.690700403876			
	Elektric WTT-Generation	Türkiyo	10.243453052273	0	0	10.243453052273			
from Other Sources		Türkiye	10.2404000022/3	Ŭ.	Ŭ.	10.2404000022/3			
6 Indirect GHG Emissions	Elektric WTT-Generation	Holland	0.136101333373	0	0	0.136101333373			
from Other Sources		a							
	Elektric WTT-Transmission and Distribution	Türkiye	1.271117228617	0	0	1.271117228617			
from Other Sources	Elektric WTT-transmission and distribution	Holland	0.016888909317	0	0	0.016888909317			
6 Indirect GHG Emissions from Other Sources	Elektric WTT-transmission and distribution	Holland a	0.01000090931/	Ŭ	Ŭ.	0.01000030331/			
6 Indirect GHG Emissions	WTT-Natural Gas	Türkiye	10.419453	0	0	10.419453			
from Other Sources									
	Elektric transmission and distribution		0.069494263746	0	0	0.069494263746			
from Other Sources 6 Indirect GHG Emissions	WTT-Diesel	a Türkiye	0.61101	0	0	0.61101			
from Other Sources		ININIYE	0.01101	Ť	Ĭ	0.01101			
6 Indirect GHG Emissions	Elektric Transmission and Distribution	Türkiye	5.230376591069	0	0	5.230376591069			
from Other Sources									
	Elektric transmission and distribution	Pakistan	0.863283091143	0	0	0.863283091143			
from Other Sources 6 Indirect GHG Emissions	Elektric WTT-transmission and distribution	Pakistan	0.209800191481	0	0	0.209800191481			
6 Indirect GHG Emissions from Other Sources	LIGKTIG WITH - TRUISTINSSION AND AISTRIBUTION	rukistan	0.203000131481	5	5	0.203000131481			
6 Indirect GHG Emissions	WTT-Gasoline	Türkiye	0.6700503866	0	0	0.6700503866			
from Other Sources									
				Investments					
Equity Investment Type So	cope 1 (TonCO2e) Scope 2 (TonCO2e) s	Scope 3 (age % Emission	s Due to Equity Ir	vestments (TonCO2e) Descri	ption	ScopetCO2ec
			Managed Invest		0		•	l	

Equity Investr	ment Type Sco	ope I (TonCO2e)	Scope 2 (TonCO2	e) Scope 3 (Ton	CO2e) Equity as a Percentage S	% Emissions Du	e to Equity Investments (TonCC	D2e) Description	n Scope	tCO2eq
Debt Investmente 6 Dreiget Fingence										
				De	abt Investments & Project Finan	<u></u>				
	-				ebt Investments & Project Finan		1		-	
Financing Type	Financing Source	Use of Proceeds		De sset Class PCAF)	ebt Investments & Project Finan Financed Emissions Scope 1 & (TonCO2e)		Financed Emissions Scope 3 (TonCO2e)	Descriptio	nScope	tCO2eq

Fuel Density Statement								
		Density - liter/tonne						
Aircraft Fuel	729,93	1.370,00						
Aircraft Turbine Fuel	800,00	1.250,00						
Coal (Domestic)	850,00	1.176,00						
Diesel	843,17	1.186,00						
Diesel (average biodiesel blended)	846,17	1.181,80						
Fuel-oil	983,28	1.017,00						
Coal Oil	853,97	1.171,00						
LPG	529,75	1.887,69						
Natural Gas	0,80	1.255.833,57						
Other Petroleum Gases	366,30	2.730,00						
Gasoline	741,84	1.348,00						
Gasoline (biogas blend)	744,17	1.343,79						
Propan	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						
Landfill Gas	1,30	769.231,00						
LNG	452,49	2.210,00						
Gases								
Metan (CH4)	0,72	1.397.112,11						
Carbon Dioxide (CO2)	1,96	509.290,00						

Information of Personnel and Responsible Persons Involved in the Study											
Order	Name and surname	Mission	Contact information								
1	Güvenç Aksoy	Personnel and Administrative Specialist	0537 956 78 49								
2	Sevgi Karaman	Financial Affairs and Purchasing	0533 208 75 86								
3	Özgür Berke Özyurtlu	Climate Strategy Advisor 0532 290 9628									
	References										
2006 IPCC Guidelines for National Greenhouse Gas Inventories Volume 2 Chapter 1 https://www.ipcc-nggip.iges.or.jp/public/2006gl/pdf/2_Volume2/V2_1_Ch1_Introduction.pdf											
2006 IPCC Guidelines for National Greenhouse Gas Inventories Volume 2 Chapter 2 http://www.ipcc-nggip.iges.or.jp/public/2006gI/pdf/2_Volume2/V2_2_Ch2_Stationary_Combustion.pdf											
2006 IPCC Guid	delines for National Greenhouse Gas Inventories Volume 2	Chapter 3 <u>http://www.ipcc-nggip.iges.or.jp/public/2006gl/pdf/1_Volume1/V1_3_Ch3_Unce</u>	rtainties.pdf								
2006 IPCC Guid	delines for National Greenhouse Gas Inventories Volume 3	3 Chapter 7 <u>https://www.ipcc-nggip.iges.or.jp/public/2006gl/pdf/3_Volume3/V3_7_Ch7_OD</u>	S_Substitutes.pdf								
2006 IPCC Guid	delines for National Greenhouse Gas Inventories Volume	5 Chapter 5 <u>https://www.ipcc-nggip.iges.or.jp/public/2006gl/pdf/5_Volume5/V5_5_Ch5_IC</u>	<u>B.pdf</u>								
DEFRA Greenho	buse gas reporting: conversion factors 2021 <u>https://www.</u> ę	ov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2021									
IPCC/TEAP Spe	cial Report: Safeguarding the Ozone Layer and the Globa	Climate System, Volume 9, Fire Protection <u>https://www.ipcc.ch/pdf/special-reports/sroc/sro</u>	c09.pdf								
No translation f	found for "dashboardreportingPagestandart	ReferanceIPCC, Good Practice Guidance and Uncertainty Management in National Greenh	ouse Gas Inventories"								
IPCC Climate C	Change 2013. The Physical Science Basis. Working Group I	contribution to the Fifth Assessment Report of the IPCC. <u>http://www.climatechange2013.org</u>									
BS EN ISO 14064	4-1:2018: Greenhouse gases - Part 1: Guidance and specif	cations for calculating and reporting greenhouse gas emissions and removals at the enterpri	se level								
CO2 Emission S	Standards For Passenger Cars And Light-Commercial Vel	icles In The European Union-2019 <u>https://theicct.org/sites/default/files/publications/EU-LCV-</u>	-CO2-2030 ICCTupdate 20190123.pdf								
Simapro, v9.1											
IEA Turkey Data	a 2018										
MEASURING AN	D MEASURING INSTRUMENTS INSPECTION REGULATION, http	s://www.mevzuat.gov.tr/File/GeneratePdf?mevzuatNo=6381&mevzuatTur=KurumVeKurulusY	onetmeligi&mevzuatTertip=5								
National Green	house Gas Inventory Report										