

**Guangzhou Shiyuan Innovation Technology Co.,
Ltd**

Environmental Performance Report 2023

Reporting Standards

This environmental performance report has been prepared in accordance with the requirements of the GRI Standards for scope 1 and scope 2 greenhouse gas emissions, energy consumption and water consumption.

Reporting Period

The environmental data disclosed in this environmental performance report covers the period from January 1 to December 31, 2023, and some of the data exceeds the above scope due to the principle of continuity and comparability, for which special explanations have been provided in the report.

Reporting Boundary

The organizational boundary disclosed in the report is constrained to the assets over which Guangzhou Shiyuan Innovation Technology Co., Ltd (the “Company”) has operational control, which includes two industrial parks located in China at the following addresses:

- No. 246, Shenzhou Road, Huangpu District, Guangzhou, P.R. China
- No. 69, Fenglang 1st Road, Huangpu District, Guangzhou, P.R. China

Among them, there are a number of operating entities in the industrial park at No. 246, Shenzhou Road, Huangpu District, Guangzhou, and the Company is only one of the operating entities in the park. The operating activities of all the companies in the park are basically the same, basically focusing on office activities, and the related activity data is accounted for together and cannot be split in detail. Therefore, the activity data of the Company is apportioned based on the ratio of the number of people in the park on a monthly basis.

Environmental performance data and period

Metric	Unit	Data	Data period
Scope 1 GHG emissions (natural gas (stationary combustion))	tCO ₂ e	11.22	2023.1.16-2024.1.26 (billing period) ¹
Scope 1 GHG emissions (gasoline (mobile combustion))	tCO ₂ e	30.12	2023.1.1-2023.12.31
Scope 1 GHG emissions (emissions from refrigeration and air-conditioning equipment)	tCO ₂ e	903.89	2023.1.1-2023.12.31
Scope 1 GHG emissions (emissions from septic tanks treating domestic wastewater)	tCO ₂ e	11.2	2023.1.1-2023.12.31
Scope 2 GHG emissions (purchased electricity)	tCO ₂ e	3572.59	2023.1.1-2023.12.31

¹ Due to the special form of meter reading and measurement in the gas sector, it is not possible to accurately confirm the data period of natural gas, hence the data is collected according to the billing data by the gas company, and the total amount of natural gas fully covers the amount of usage in the period from January 1, 2023 to December 31, 2023 and extends forward and backward.

Total fuel consumption from non-renewable sources (gasoline)	GJ	457.41	2023.1.1-2023.12.31
Total fuel consumption from non-renewable sources (natural gas)	GJ	242.27	2023.1.16-2024.1.26 (billing period)
Total electricity consumption	GJ	20160.37	2023.1.1-2023.12.31
Total water consumption	m ³	51,091.42	2022.12.26-2023.12.26 ²

GHG emissions methodology summary

The GHG emissions statement has been prepared using guidance included in the World Resources Institute/World Business Council for Sustainable Development Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard, Revised Edition (the GHG Protocol). The GHG emissions have been determined based on measured or estimated activity data multiplied by relevant carbon emission factors.

The GHG emissions reported include:

- Scope 1 – Stationary combustion of natural gas, mobile combustion of gasoline, emissions from refrigeration and air conditioning equipment and emissions from domestic wastewater septic tanks
- Scope 2 – Purchased electricity used in the two industrial parks of the Company

Other GHG emissions have been excluded based on either low materiality, externality to boundary, or lack of data. All GHG emissions figures are in tonnes of carbon dioxide equivalents (tCO₂e) and include the greenhouse gases carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), perfluorocarbons (PFCs) and hydrofluorocarbons (HFCs) using the AR6 GWPs. Sulphur hexafluoride (SF₆) emissions has been omitted from our reporting as it is not a material source of greenhouse gases for the business.

Energy consumption methodology summary

The Energy consumption information has been prepared using guidance within GRI Disclosure 302-1 *Energy consumption within the organization*, including fuel consumption and electricity consumption. Total fuel consumption within the organization from non-renewable sources includes motor gasoline and natural gas. There's no fuel consumption from renewable sources.

Water consumption methodology summary

The Water consumption information has been prepared using guidance within GRI Disclosure 303-1(a)- *Total water withdrawal*, and the data is directly quoted from the water meter reading. The water intake only includes the single source of municipal water, there's no other sources of water intake.

² Due to the special form of meter reading and measurement by the water supply department, the data period for water consumption is from December 26, 2022 to December 26, 2023.

Emission factor values

Metric	Unit	Data
Scope 1 GHG emissions (CO ₂) – mobile combustion of gasoline	kgCO ₂ /kg fuel	3
Scope 1 GHG emissions (CH ₄) – mobile combustion of gasoline	gCO ₂ /kg fuel	30.9
Scope 1 GHG emissions (N ₂ O) – mobile combustion of gasoline	gCO ₂ /kg fuel	70.7
Scope 1 GHG emissions (CO ₂) – stationary combustion of natural gas	kgCO ₂ /kg fuel	1.8
Scope 1 GHG emissions (CH ₄) – stationary combustion of natural gas	gCO ₂ /kg fuel	9.6
Scope 1 GHG emissions (N ₂ O) – stationary combustion of natural gas	gCO ₂ /kg fuel	4
Scope 1 GHG emissions: GWP (R-410A)	/	2,255.5
Scope 1 GHG emissions: GWP (R-134A)	/	1,530
Scope 1 GHG emissions: GWP (CH ₄ (non-fossil))	/	27
Scope 2 GHG emissions – consumption of electricity	kgCO ₂ /kWh	0.6379

Emission factor sources

Metric	Source
Scope 1 GHG emissions (CO ₂) – mobile combustion of gasoline	IEA (2023) Emission Factors
Scope 1 GHG emissions (CH ₄) – mobile combustion of gasoline	
Scope 1 GHG emissions (N ₂ O) – mobile combustion of gasoline	
Scope 1 GHG emissions (CO ₂) – stationary combustion of natural gas	
Scope 1 GHG emissions (CH ₄) – stationary combustion of natural gas	
Scope 1 GHG emissions (N ₂ O) – stationary combustion of natural gas	
Scope 1 GHG emissions: GWP (R-410A)	IPCC, AR6
Scope 1 GHG emissions: GWP (R-134A)	IPCC, AR6
Scope 1 GHG emissions: GWP (CH ₄ (non-fossil))	IPCC, AR6
Scope 2 GHG emissions – consumption of electricity	Guidelines for Reporting Information on Carbon Dioxide Emissions of Enterprises (Units) in Guangdong Province (Revised in 2023)

Conversion factors for energy consumption calculations

Metric	Unit	Data	Source
Motor gasoline conversion factor	L/T	1,350	IEA, Energy Statistics Manual, Annex 3
Motor gasoline - Gross calorific value	GJ/T	47.10	
Natural gas - Gross calorific value	MJ/m ³	39	
Terajoule (TJ) to GWh	GWh/TJ	0.2778	