INFAC Corporation - Climate Change 2023

C0. Introduction

C0.1

(C0.1) Give a general description and introduction to your organization.

INFAC is a corporation listed on the South Korea Stock Market that produces automotive components like control cables, electronic parking brakes, actuators, and antennas, etc. It has a global supply chain through four affiliates in South Korea and eight in six foreign countries. INFAC supplies its products to Hyundai Motors, Kia Motors, General Motors, Mazda, and global auto parts firms.

C0.2

(C0.2) State the start and end date of the year for which you are reporting data and indicate whether you will be providing emissions data for past reporting years.

Reporting year

Start date
January 1 2022

End date
December 31 2022

Indicate if you are providing emissions data for past reporting years
Yes

Select the number of past reporting years you will be providing Scope 1 emissions data for
1 year

Select the number of past reporting years you will be providing Scope 2 emissions data for
1 year

Select the number of past reporting years you will be providing Scope 3 emissions data for
Not providing past emissions data for Scope 3

C0.3

(C0.3) Select the countries/areas in which you operate.
China
India
Mexico
Poland
Republic of Korea
United States of America
Viet Nam

C0.4

(C0.4) Select the currency used for all financial information disclosed throughout your response.
KRW

C0.5

(C0.5) Select the option that describes the reporting boundary for which climate-related impacts on your business are being reported. Note that this option should align with your chosen approach for consolidating your GHG inventory.
Operational control

C0.8

(C0.8) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

Indicate whether you are able to provide a unique identifier for your organization	Provide your unique identifier
Yes, an ISIN code	KR7023810005

C1. Governance

C1.1

(C1.1) Is there board-level oversight of climate-related issues within your organization?

No

C1.1c

(C1.1c) Why is there no board-level oversight of climate-related issues and what are your plans to change this in the future?

	Primary reason	Board-level oversight of climate-related issues will be introduced within the next two years	Please explain
Row 1	Insufficient research on the environmental effect of company business.	Yes, we plan to do so within the next two years	INFAC will promote the establishment of management indicators and the operation of environment committees based on research on environmental issues related to our business.

C1.1d

(C1.1d) Does your organization have at least one board member with competence on climate-related issues?

	Board member(s) have competence on climate-related issues	Criteria used to assess competence of board member(s) on climate-related issues	Primary reason for no board-level competence on climate-related issues	Explain why your organization does not have at least one board member with competence on climate-related issues and any plans to address board-level competence in the future
Row 1	No, but we plan to address this within the next two years	<Not Applicable>	Important but not an immediate priority	Management activities have not required the board member because the level of external demands, such as obligations under environmental laws, was not high. However, INFAC has a plan to conduct relavant reviews due to the recent increase in external requests on environmental issues.

C1.2

(C1.2) Provide the highest management-level position(s) or committee(s) with responsibility for climate-related issues.

Position or committee

Environment/ Sustainability manager

Climate-related responsibilities of this position

Assessing climate-related risks and opportunities

Coverage of responsibilities

<Not Applicable>

Reporting line

CEO reporting line

Frequency of reporting to the board on climate-related issues via this reporting line

Annually

Please explain

INFAC is trying to establish policies relevant to climate-related issues and working on the environment assessment by CDP, EcoVadis, and some of its customers.
It does not seem that INFAC fulfill its responsibilities for the environment preservation for now, but its Planning&Strategies team works on the establish policies and R&R in order to have its duty. INFAC expects that it is able to address at least one board member with competence on climate-related issues within the next two year.

C1.3

(C1.3) Do you provide incentives for the management of climate-related issues, including the attainment of targets?

	Provide incentives for the management of climate-related issues	Comment
Row 1	No, not currently but we plan to introduce them in the next two years	We did not yet make a decision related to those incentives, but we are working on reviewing the policy for providing incentives now. We expect to introduce incentives after a sufficient review within the next two years.

C2. Risks and opportunities

C2.1

(C2.1) Does your organization have a process for identifying, assessing, and responding to climate-related risks and opportunities?

Yes

C2.1a

(C2.1a) How does your organization define short-, medium- and long-term time horizons?

	From (years)	To (years)	Comment
Short-term	2	5	The company predicts that the government or industry will expand and implement regulations on pollutants emitted in producing automotive parts within two to three years. It will affect the business by causing new investments or other increases in costs.
Medium-term	5	10	The company predicts that developing eco-friendly automobile technology will replace parts for existing internal combustion engines. Accordingly, the company must find new business opportunities through research and development.
Long-term	10	15	In the long run, the company expects the business environment to be completely different, such as changes occurring in the industrial structure and the maintenance of the national environmental system. Accordingly, the overall change in the company system is necessary.

C2.1b

(C2.1b) How does your organization define substantive financial or strategic impact on your business?

Changes in raw material costs in conjunction with changes in government policies or technologies related to climate change can affect business maintenance.

There is a risk that a product portfolio will change due to changes in customers' demands in response to climate-related change.

C2.2

(C2.2) Describe your process(es) for identifying, assessing and responding to climate-related risks and opportunities.

Value chain stage(s) covered
Direct operations

Risk management process
Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment
Not defined

Time horizon(s) covered
Medium-term
Long-term

Description of process
Any department recognizes changes in the external environment for climate-related change and notifies the entire department simultaneously.
Each department analyzes whether the change affects its work or not.
The Planning&Strategies team of INFAC collects them, reports them to the CEO, and implements a task-force composition or independent measures for each department.
Finally, the team reports the results of the implementation to the CEO.

C2.2a

(C2.2a) Which risk types are considered in your organization's climate-related risk assessments?

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	If pollutants are generated during the production activities and discharged without purifying them, the government may punish the firm under relevant laws and regulations. Pollutant emissions are a rare occurrence due to the nature of our products, but the pollutant generating department reports the assessment and takes necessary measures to clean up with the cost approved by the CEO.
Emerging regulation	Not evaluated	
Technology	Relevant, always included	For example, applying low carbon-containing materials to products to reduce GHG emissions could be a risk to business continuity due to the increase in the cost of new investments needed to change materials. Therefore, the company assesses the effect and transfers cost fluctuations to customers or develops cost-saving technologies to offset the rise.
Legal	Not evaluated	
Market	Relevant, always included	Electric vehicle production has rapidly increased due to government's regulations on GHG emissions, which decreases the volume of products applied to internal-combustion engines. Control cables, INFAC's main product, are also being replaced by electric technologies, which directly cause negative impacts on its business such as resulting in reduced sales, surplus facilities and personnel. INFAC must overcome these kind of risks by developing a new portfolio of electric vehicle products.
Reputation	Relevant, sometimes included	A market reputation that produces parts for electric vehicles by preemptively investing than other companies serves as an important opportunity for customers to consider it a top supplier when considering expanding the production of electric cars.
Acute physical	Relevant, sometimes included	When natural disasters such as hurricanes, typhoons, or floods occur due to the influence of climate change, the supply of raw materials, production of products, and transportation/distribution process can have setbacks. The decrease in vehicles that adopted internal combustion engines also drops sales of control cables.
Chronic physical	Relevant, always included	If it expands regulations on GHG emissions, eco-friendly technology investments are applied to mining, smelting, and processing metals, resulting in increased material costs. Therefore, our company should evaluate these risks and revise our business strategy, such as the development of new technologies or diversification of supply lines of supply.

C2.3

(C2.3) Have you identified any inherent climate-related risks with the potential to have a substantive financial or strategic impact on your business?

No

C2.3b

(C2.3b) Why do you not consider your organization to be exposed to climate-related risks with the potential to have a substantive financial or strategic impact on your business?

	Primary reason	Please explain
Row 1	Evaluation in process	The company is in the stage of evaluating the climate change-related risks based on international protocol, related laws, industry standards, etc.

C2.4

(C2.4) Have you identified any climate-related opportunities with the potential to have a substantive financial or strategic impact on your business?

Yes

C2.4a

(C2.4a) Provide details of opportunities identified with the potential to have a substantive financial or strategic impact on your business.

Identifier
Opp1

Where in the value chain does the opportunity occur?
Downstream

Opportunity type
Products and services

Primary climate-related opportunity driver
Development and/or expansion of low emission goods and services

Primary potential financial impact
Increased revenues resulting from increased demand for products and services

Company-specific description
As car manufacturers expanded the production of electric vehicles, company predicted the increase in PCB demand and invested in new facilities. Consequently, we got new orders and realized increased sales and profits.

Time horizon
Short-term

Likelihood
Virtually certain

Magnitude of impact
High

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure
Investment in facilities for producing electric vehicle parts generates new product sales, and we expect to increase in sales by approximately 10% derived from the confidential production plan of car makers.

Cost to realize opportunity
15665

Strategy to realize opportunity and explanation of cost calculation
It is the actual investment amount for new facility spent during the reporting period. Our company disclosed it in an annual audit report. Cost rate is generally expected to be in the rage from 87% to 90%. Therefore, the cost could be calculated by multiplying average rate 88.5% to the expected increase in sales ($ 17,700).

Comment
N/A

C3. Business Strategy

C3.1

(C3.1) Does your organization's strategy include a climate transition plan that aligns with a 1.5°C world?

Row 1

Climate transition plan

No, but our strategy has been influenced by climate-related risks and opportunities, and we are developing a climate transition plan within two years

Publicly available climate transition plan

<Not Applicable>

Mechanism by which feedback is collected from shareholders on your climate transition plan

<Not Applicable>

Description of feedback mechanism

<Not Applicable>

Frequency of feedback collection

<Not Applicable>

Attach any relevant documents which detail your climate transition plan (optional)

<Not Applicable>

Explain why your organization does not have a climate transition plan that aligns with a 1.5°C world and any plans to develop one in the future

The risk-related climate has an impact on the long-term business plan of INFAC. Recently, the automotive industry goes through a period of transition from internal combustion engines to electric motor with batter. This trend change made us to consider that a climate transition should be included to our long-term business plan, and we are working on it now. In next year, we are going to have a 5-Year business plan and the plan will include the climate transition plan for sure.

Explain why climate-related risks and opportunities have not influenced your strategy

<Not Applicable>

C3.2

(C3.2) Does your organization use climate-related scenario analysis to inform its strategy?

	Use of climate-related scenario analysis to inform strategy	Primary reason why your organization does not use climate-related scenario analysis to inform its strategy	Explain why your organization does not use climate-related scenario analysis to inform its strategy and any plans to use it in the future
Row 1	No, but we anticipate using qualitative and/or quantitative analysis in the next two years	Lack of internal resources	INFAC expects that there will be no drastic environmental changes in the region where we operate or in the sales product group to change the company's business method. However, this can change our decision when we conduct sufficient research on global trade conditions, institutional changes in each country, and climate change. We are going to meet consultants to prepare climate-related scenario analysis in this year and expect to have it in the next year.

C3.3

(C3.3) Describe where and how climate-related risks and opportunities have influenced your strategy.

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	The EU announced future plan of disclosing Carbon Border Adjustment Mechanism after 2023. The USA and other countries are also preparing to disclose it to prevent reverse-discrimination of carbon regulation. If the regulation applies to the car industry, we may take over the extra cost for exporting our products to the EU, which would weaken our price competitiveness. But currently, there are no effects applied to our company yet.
Supply chain and/or value chain	Yes	The government regulates material suppliers for GHG emissions. As a result, it causes increasing procurement costs. However, the risk is not realized.
Investment in R&D	Yes	Technology development for new technologies is constantly required to respond to government and industry demands for climate-related change.
Operations	Evaluation in progress	Processes and organizations are needed to measure and evaluate whether the company's response is adequate, such as research and development to respond to environmental changes, investment in assets, and management of suppliers. Based on sufficient research, management will introduce an effective system.

C3.4

(C3.4) Describe where and how climate-related risks and opportunities have influenced your financial planning.

	Financial planning elements that have been influenced	Description of influence
Row 1	Revenues Direct costs Indirect costs Capital expenditures	Customers require to manage and reduce elements that could influence climate change, and other negative environmental effects caused by our production activities. Therefore, we have plans to set up facilities with fucntions that help us to do so, and some costs are goint to be accompanied by this plan.

C3.5

(C3.5) In your organization's financial accounting, do you identify spending/revenue that is aligned with your organization's climate transition?

	Identification of spending/revenue that is aligned with your organization's climate transition	Indicate the level at which you identify the alignment of your spending/revenue with a sustainable finance taxonomy
Row 1	No, but we plan to in the next two years	<Not Applicable>

C4. Targets and performance

C4.1

(C4.1) Did you have an emissions target that was active in the reporting year?

No target

C4.1c

(C4.1c) Explain why you did not have an emissions target, and forecast how your emissions will change over the next five years.

	Primary reason	Five-year forecast	Please explain
Row 1	Insufficient data on operations	We believe that it is possible for us to reduce emissions by 5-7% from the amount we recently cause. We have plans to set up air puriffiers at all the manufacturing factories in Korea and reduce the use of waste caused from production activilites. However, to be honest, we cannot include our overseas affiliates into our five-year forecast for now because of the limit of budgets and the uncertainty.	We do calculate how much we cause emissions in eash year, but it is hard to have an emissions target because of insufficient data on operations for now. We recently meet consultants to have helps, and we only can expect there will be a decrease in emissions we cause by 5-7% in five-year forecast. Also, we believe that we are going to have more detailed target in next year.

C4.2

(C4.2) Did you have any other climate-related targets that were active in the reporting year?

No other climate-related targets

C4.3

(C4.3) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.

No

C4.3d

(C4.3d) Why did you not have any emissions reduction initiatives active during the reporting year?

The reason of the absence of the emissions reduction initiatives active during the reporting year is that we could not afford to actually reduce emissions because of our business expansion, such as building new manufacturing factories and set up new production lines for eco-friendly items. More emissions must be followed by the expansion, and that is why we could not include the emissions reduction plan in the reporting year. However, we are preparing the reduction plan with the less use of electric energy required for manufacturing activies and indirect effects by our new products, eco-friendly auto parts.

C4.5

(C4.5) Do you classify any of your existing goods and/or services as low-carbon products?

No

C5. Emissions methodology

C5.1

(C5.1) Is this your first year of reporting emissions data to CDP?

No

C5.1a

(C5.1a) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?

Row 1

Has there been a structural change?

Yes, other structural change, please specify (We started operating our additional new production plant in September 2022.(23-09-2022))

Name of organization(s) acquired, divested from, or merged with

We operated new production plant in Infac Jecheon(That is not acquisition, divestment and merger).

Details of structural change(s), including completion dates

1. We started operating our additional new production plant in September 2022.
So, we added carbon emissions data of new plant to the our group's CDP report.
2. We changed our carbon emissions calculation menthod.
When we reported CDP at last year, that was first time. So, we had calculated our carbon emissions by using open source in the Internet. But, this is second CDP report and we had trained CDP from our clients. As a result, We could receive carbon emissions calculation tool and calculate carbon emissions exectly.

C5.1b

(C5.1b) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?

	Change(s) in methodology, boundary, and/or reporting year definition?	Details of methodology, boundary, and/or reporting year definition change(s)
Row 1	Yes, a change in methodology Yes, a change in boundary	1. Yes, a change in methodology. - When we started CDP reporting at first, we had calculated carbon emissions data by using open source in the Internet. - But, we have trained CDP from our clients, we could have ourselves calculation tool and calculate carbon exectly in this reporting year. 2. Yes, a change in boundary. - We started operating our additional new production plant in September 2022. - So, we have extended our carbon emissions calcuration boundary that is including data of new plant.

C5.1c

(C5.1c) Have your organization's base year emissions and past years' emissions been recalculated as a result of any changes or errors reported in C5.1a and/or C5.1b?

	Base year recalculation	Scope(s) recalculated	Base year emissions recalculation policy, including significance threshold	Past years' recalculation
Row 1	No, because we have not evaluated whether the changes should trigger a base year recalculation	<Not Applicable>	Our new plant launching is not errors and that is a general changing of INFAC group. So, we didn't have evaluated wtherther the changes should trigger a base year recalculation. But, we have to figure out about how much carbon emissions is risen within next reporting period.	No

C5.2

(C5.2) Provide your base year and base year emissions.

Scope 1

Base year start

January 1 2022

Base year end

December 31 2022

Base year emissions (metric tons CO2e)

592.027

Comment

Total carbon emissions in Scope1 in the reporting year is 592.027 in metric tonnes of CO2e that was calculated as annual usage of LNG(we consumed 256,440.640 m3 LNG in 2022) and corporate vehicles's gasoline usage(we consumed almost 14,003 liters gasoline for corporate vehicle's fuel in 2022. Our data is including all division's emission of INFAC. Our emissions were referenced based on the IPCC 06 report.

Scope 2 (location-based)

Base year start
January 1 2022

Base year end
December 31 2022

Base year emissions (metric tons CO2e)
6633.274

Comment
Total carbon emissions in Scope2 in the reporting year is 6,633.274 in metric tonnes of CO2e that was calculated as annual usage of electricity(we consumed 14,438.662 MWh in 2022). These usage of electricity is the use for operations of general offices and facilities. Our data is including all division's emission of INFAC. Our emissions were referenced based on the IPCC 06 report.

Scope 2 (market-based)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 1: Purchased goods and services

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 2: Capital goods

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 4: Upstream transportation and distribution

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 5: Waste generated in operations

Base year start
January 1 2022

Base year end
December 31 2022

Base year emissions (metric tons CO2e)
166.615

Comment
Only about 18.5% of waste emissions per year are incinerated and almost of the wastes generated in operations are recycled to the raw meterial.
(Amount of wastes generated in plant operations is 328.5 ton in 2022). We calculated the carbon emissions of waste generated in operations based on IPCC 2006 and it's was 166.615 tCO2e and it is including all division's emissions of INFAC.

Scope 3 category 6: Business travel

Base year start
January 1 2022

Base year end
December 31 2022

Base year emissions (metric tons CO2e)
148.795

Comment
Our employees have traveled about 5,000 domestic business travel in 2022 and the distance is about 804,388km. The business travel distance is about 67,693 liters if we convert it into gasoline usage of gasoline and carbon emissions are about 148.8 tCO2e if we convert it into emissions. Our data is including all division's emissions of INFAC. Our emissions were referenced based on the IPCC 06 report.

Scope 3 category 7: Employee commuting

Base year start
January 1 2022

Base year end
December 31 2022

Base year emissions (metric tons CO2e)
211.369

Comment
INFAC's employees recorded a commute of about 946,456 kilometers during the reporting year, which was found in the INFAC's commutting bus records. If this employee's commuting distance data is converted to fuel usage, it is calculated as approximately 79,649L of diesel, which is equivalent to approximately 211 tCO2e of carbon emissions.

Scope 3 category 8: Upstream leased assets

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 9: Downstream transportation and distribution

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 10: Processing of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 11: Use of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 12: End of life treatment of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 13: Downstream leased assets

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 14: Franchises

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 15: Investments

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3: Other (upstream)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3: Other (downstream)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

C5.3

(C5.3) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.
Korea GHG and Energy Target Management System Operating Guidelines

C6. Emissions data

C6.1

(C6.1) What were your organization's gross global Scope 1 emissions in metric tons CO2e?

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)
592.027

Start date
January 1 2022

End date
December 31 2022

Comment
Total carbon emissions in Scope1 in the reporting year is 592.027 in metric tonnes of CO2e that was calculated as annual usage of LNG(we consumed 256,440.640 m3 LNG in 2022) and corporate vehicles's gasoline usage(we consumed almost 14,003 liters gasoline for corporate vehicle's fuel in 2022. Our data is including all division's emission of INFAC. Our emissions were referenced based on the IPCC 06 report.

Past year 1

Gross global Scope 1 emissions (metric tons CO2e)
467.3

Start date
January 1 2021

End date
December 31 2021

Comment
This is our first year for CDP. So, we set Year 2021 to be its base year. Our Scope 1(LNG boiler) emissions are 467.3 tCO2 that was calculated as annual usage of LNG(we consumed 470,266 m3 LNG in 2021). The emissions were referenced based on the IPCC 06 report.
Cheonan was also based on 2021. The Cheonan factory heater system used 42,136 m3, other 3,747 m3, LPG (oxygen) 13,896 m3, and a total of 59,779 m3.

C6.2

(C6.2) Describe your organization's approach to reporting Scope 2 emissions.

Row 1

Scope 2, location-based
We are reporting a Scope 2, location-based figure

Scope 2, market-based
We have no operations where we are able to access electricity supplier emission factors or residual emissions factors and are unable to report a Scope 2, market-based figure

Comment
We have no operations where we are able to access electricity supplier emission factors residual emissions in domestic. That is reason why we are unable to report a Scope 2, market-based figure.

C6.3

(C6.3) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

Reporting year

Scope 2, location-based
6633.274

Scope 2, market-based (if applicable)
<Not Applicable>

Start date
January 1 2022

End date
December 31 2022

Comment
Total carbon emissions in Scope2 in the reporting year is 6,633.274 in metric tonnes of CO2e that was calculated as annual usage of electricity(we consumed 14,438.662 MWh in 2022). These usage of electricity is the use for operations of general offices and facilities. Our data is including all division's emission of INFAC. Our emissions were referenced based on the IPCC 06 report.

Past year 1

Scope 2, location-based
4671

Scope 2, market-based (if applicable)
<Not Applicable>

Start date
January 1 2021

End date
December 31 2021

Comment
This is our first year for CDP. So, We set 2021 to be its base year. Our Scope 2(electricty) emissions are 4,671.0 tCO2 that was calculated as annual usage of electricity(we consumed 10,017,216 kwh in 2021).

C6.4

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1, Scope 2 or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure?
Yes

C6.4a

(C6.4a) Provide details of the sources of Scope 1, Scope 2, or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure.

Source of excluded emissions
We didn't include our domesitic and overseas subsidiaries. (INFAC EPM, INFAC Horn System, INFAC, ELECS, INFAC India, INFAC North America, INFAC Mexico, INFAC Poland, INFAC Vina, INFAC Jiansu, INFAC Sanhe)

Scope(s) or Scope 3 category(ies)
Scope 3: Purchased goods and services
Scope 3: Capital goods
Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2)
Scope 3: Upstream transportation and distribution
Scope 3: Upstream leased assets
Scope 3: Downstream transportation and distribution
Scope 3: Processing of sold products
Scope 3: Use of sold products
Scope 3: End-of-life treatment of sold products
Scope 3: Downstream leased assets
Scope 3: Franchises
Scope 3: Investments
Scope 3: Other (upstream)
Scope 3: Other (downstream)

Relevance of Scope 1 emissions from this source
<Not Applicable>

Relevance of location-based Scope 2 emissions from this source
<Not Applicable>

Relevance of market-based Scope 2 emissions from this source
<Not Applicable>

Relevance of Scope 3 emissions from this source
Emissions are relevant but not yet calculated

Date of completion of acquisition or merger
<Not Applicable>

Estimated percentage of total Scope 1+2 emissions this excluded source represents
<Not Applicable>

Estimated percentage of total Scope 3 emissions this excluded source represents
0

Explain why this source is excluded
We could not calculate the excluded sources these are almost Scope3. Because we do not have a specific division reposible for CDP or ESG evaluation. So, we do not have any experts in our group. But, that is not we do not have concerns about ESG or CDP. If we have set carbon emissions calculations methodology, we will expand it to excluded sections.

Explain how you estimated the percentage of emissions this excluded source represents
We have no way to calculate or assess emissions from excluded sources. Therefore, we put zero in the above question, Estimated percentage of total scope 3 emission this excluded source represents.

C6.5

(C6.5) Account for your organization’s gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Because INFAC deals with a variety of companies, the Scope3 'Purchased goods and services' is related to our company's carbon emissions. However, our company has yet to work with external companies that do business with our company in calculating Scope 3 carbon emissions. Therefore, our company plans to cooperate in calculating carbon emissions with trading companies to accurately identify carbon emissions related to our company in the future.

Capital goods

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Because INFAC deals with a variety of companies, the Scope3 'Capital goods' is related to our company's carbon emissions. However, our company has yet to work with external companies that do business with our company in calculating Scope 3 carbon emissions. Therefore, our company plans to cooperate in calculating carbon emissions with trading companies to accurately identify carbon emissions related to our company in the future.

Fuel-and-energy-related activities (not included in Scope 1 or 2)

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Because INFAC deals with a variety of companies, the Scope3 'Fuel-and-energy-related activities(not included in Scope 1 or 2)' is related to our company's carbon emissions. However, our company has yet to work with external companies that do business with our company in calculating Scope 3 carbon emissions. Therefore, our company plans to cooperate in calculating carbon emissions with trading companies to accurately identify carbon emissions related to our company in the future.

Upstream transportation and distribution

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Because INFAC deals with a variety of companies, the Scope3 'Upstream trasportation and distribution' is related to our company's carbon emissions. However, our company has yet to work with external companies that do business with our company in calculating Scope 3 carbon emissions. Therefore, our company plans to cooperate in calculating carbon emissions with trading companies to accurately identify carbon emissions related to our company in the future.

Waste generated in operations

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
166.615

Emissions calculation methodology
Spend-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
Our company discharged about 74.6 ton of waste in the reporting year. The data we entered is waste generated in operations data emitted within the INFAC. Because the data is managed internally by INFAC, carbon emissions can be calculated, it is not externally received emissions data.

Business travel

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
148.795

Emissions calculation methodology
Distance-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
The data we entered is Business travel data emitted within the INFAC. We are managing about business travel of employees and so we can manage distance of business travels. The data is managed internally by INFAC and so carbon emissions can be calculated, it is not externally received emissions data.

Employee commuting

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
211.369

Emissions calculation methodology
Distance-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
The data we entered is Employee Commuting data emitted within the INFAC. We have bus for employees commuting and the driving records are managed internally by INFAC. So, carbon emissions can be calculated, it is not externally received emissions data.

Upstream leased assets

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Because INFAC deals with a variety of companies, the Scope3 'Upstream leased assets' is related to our company's carbon emissions. However, our company has yet to work with external companies that do business with our company in calculating Scope 3 carbon emissions. Therefore, our company plans to cooperate in calculating carbon emissions with trading companies to accurately identify carbon emissions related to our company in the future.

Downstream transportation and distribution

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Because INFAC deals with a variety of companies, the Scope3 'Downstream transportation and distribution' is related to our company's carbon emissions. However, our company has yet to work with external companies that do business with our company in calculating Scope 3 carbon emissions. Therefore, our company plans to cooperate in calculating carbon emissions with trading companies to accurately identify carbon emissions related to our company in the future.

Processing of sold products

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Because INFAC deals with a variety of companies, the Scope3 'Processing of sold products' is related to our company's carbon emissions. However, our company has yet to work with external companies that do business with our company in calculating Scope 3 carbon emissions. Therefore, our company plans to cooperate in calculating carbon emissions with trading companies to accurately identify carbon emissions related to our company in the future.

Use of sold products

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Because INFAC deals with a variety of companies, the Scope3 'Use of sold products' is related to our company's carbon emissions. However, our company has yet to work with external companies that do business with our company in calculating Scope 3 carbon emissions. Therefore, our company plans to cooperate in calculating carbon emissions with trading companies to accurately identify carbon emissions related to our company in the future.

End of life treatment of sold products

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Because INFAC deals with a variety of companies, the Scope3 'End of life treatment of sold products' is related to our company's carbon emissions. However, our company has yet to work with external companies that do business with our company in calculating Scope 3 carbon emissions. Therefore, our company plans to cooperate in calculating carbon emissions with trading companies to accurately identify carbon emissions related to our company in the future.

Downstream leased assets

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Because INFAC deals with a variety of companies, the Scope3 'Downstream leased assets' is related to our company's carbon emissions. However, our company has yet to work with external companies that do business with our company in calculating Scope 3 carbon emissions. Therefore, our company plans to cooperate in calculating carbon emissions with trading companies to accurately identify carbon emissions related to our company in the future.

Franchises

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Because INFAC deals with a variety of companies, the Scope3 'Franchises' is related to our company's carbon emissions. However, our company has yet to work with external companies that do business with our company in calculating Scope 3 carbon emissions. Therefore, our company plans to cooperate in calculating carbon emissions with trading companies to accurately identify carbon emissions related to our company in the future.

Investments

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Because INFAC deals with a variety of companies, the Scope3 'Investments' is related to our company's carbon emissions. However, our company has yet to work with external companies that do business with our company in calculating Scope 3 carbon emissions. Therefore, our company plans to cooperate in calculating carbon emissions with trading companies to accurately identify carbon emissions related to our company in the future.

Other (upstream)

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Because INFAC deals with a variety of companies, the Scope3 'Other(Upstream)' is related to our company's carbon emissions. However, our company has yet to work with external companies that do business with our company in calculating Scope 3 carbon emissions. Therefore, our company plans to cooperate in calculating carbon emissions with trading companies to accurately identify carbon emissions related to our company in the future.

Other (downstream)

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Because INFAC deals with a variety of companies, the Scope3 'Other(downstream)' is related to our company's carbon emissions. However, our company has yet to work with external companies that do business with our company in calculating Scope 3 carbon emissions. Therefore, our company plans to cooperate in calculating carbon emissions with trading companies to accurately identify carbon emissions related to our company in the future.

C-CG6.6

(C-CG6.6) Does your organization assess the life cycle emissions of any of its products or services?

	Assessment of life cycle emissions	Comment
Row 1	No, and we do not plan to start doing so within the next two years	We are producting many products, as a result carbon will be emit in the manufacturing process and it will be emit in the life cycle of products. We didn't assess the life cycle emissions of any of its products, but we will assess it as soon as possible.

C6.7

(C6.7) Are carbon dioxide emissions from biogenic carbon relevant to your organization?
No

C6.10

(C6.10) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Intensity figure
0.0000000306

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)
7225.3

Metric denominator
unit total revenue

Metric denominator: Unit total
236142858480

Scope 2 figure used
Location-based

% change from previous year
140.62

Direction of change
Increased

Reason(s) for change
Change in output
Change in revenue
Change in methodology
Change in boundary

Please explain
Change in output : Production increased due to an increase in customer orders, which consequently affected an increase in carbon emissions.
Change in revenue : Revenue increased due to an increase in production, which consequently affected an increase in carbon emissions.
Change in methodology and boundary : The INFAC's CDP reporting was first participated last year. As a result, a significant portion of the data required by the CDP report could not be collected. To compensate for this, INFAC has tried to obtain accurate data based on its previous CDP participation experience, and has been supplemented in a considerable number compared to last year. For example, carbon emissions from headquarters, Suwon, and Jecheon, which could not be collected when calculating carbon emissions last year, were added to this year's CDP reporting, and carbon emission calculation tools were also supplemented. This year, some data in Scope 3 could not be entered, but future reports will largely supplement this to calculate more accurate carbon emissions of the entire INFAC.

C7. Emissions breakdowns

C7.1

(C7.1) Does your organization break down its Scope 1 emissions by greenhouse gas type?
No

C7.2

(C7.2) Break down your total gross global Scope 1 emissions by country/area/region.

Country/area/region	Scope 1 emissions (metric tons CO2e)
Republic of Korea	592.027

C7.3

(C7.3) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.
By business division

C7.3a

(C7.3a) Break down your total gross global Scope 1 emissions by business division.

Business division	Scope 1 emissions (metric ton CO2e)
Infac Seoul headquarters	25.472
Infac Cheonan plant	122.435
Infac Chungju plant	443.798
Infac Jecheon plant	0.322
Infac Suwon plant	0

C7.5

(C7.5) Break down your total gross global Scope 2 emissions by country/area/region.

Country/area/region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Republic of Korea	6633.274	

C7.6

(C7.6) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.

By business division

C7.6a

(C7.6a) Break down your total gross global Scope 2 emissions by business division.

Business division	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Infac Seoul headquarters	70.602	
Infac Cheonan plant	628.244	
Infac Chungju plant	5058.187	
Infac Jecheon plant	190.891	
Infac Suwon plant	685.351	

C7.7

(C7.7) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?

No

C7.9

(C7.9) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Increased

C7.9a

(C7.9a) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

	Change in emissions (metric tons CO2e)	Direction of change in emissions	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption		<Not Applicable>		We didn't have any using in renewable energy consumption.
Other emissions reduction activities		<Not Applicable>		We didn't have any other emissions reduction activities for reporting year.
Divestment		<Not Applicable>		We didn't have any divestment at this CDP reporting year.
Acquisitions		<Not Applicable>		We didn't have any acquisitions at this CDP reporting year.
Mergers		<Not Applicable>		We didn't have any mergers at this CDP reporting year.
Change in output		<Not Applicable>		We couldn't calculate the data of change in output.
Change in methodology		<Not Applicable>		We couldn't calculate the data of change in methodology.
Change in boundary	191.213	Increased	100	INFAC established a new plant this reporting year. So these data was calculated in this year CDP reporting.
Change in physical operating conditions		<Not Applicable>		We couldn't calculate the data of change in physical operating conditions.
Unidentified		<Not Applicable>		We couldn't calculate the data of unidentified.
Other		<Not Applicable>		We couldn't calculate the data of other.

C7.9b

(C7.9b) Are your emissions performance calculations in C7.9 and C7.9a based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?
Location-based

C-CG7.10

(C-CG7.10) How do your total Scope 3 emissions for the reporting year compare to those of the previous reporting year?
Increased

C-CG7.10a

(C-CG7.10a) For each Scope 3 category calculated in C6.5, specify how your emissions compare to the previous year and identify the reason for any change.

Waste generated in operations

Direction of change
Increased

Primary reason for change
Change in boundary

Change in emissions in this category (metric tons CO2e)
301.04

% change in emissions in this category
509.19

Please explain
The INFAC's CDP reporting was first participated last year. As a result, a significant portion of the data required by the CDP report could not be collected. To compensate for this, INFAC has tried to obtain accurate data based on its previous CDP participation experience, and has been supplemented in a considerable number compared to last year. For example, carbon emissions from headquarters, Suwon, and Jecheon, which could not be collected when calculating carbon emissions last year, were added to this year's CDP reporting, and carbon emission calculation tools were also supplemented. This year, some data in Scope 3 could not be entered, but future reports will largely supplement this to calculate more accurate carbon emissions of the entire INFAC.

Business travel

Direction of change
Increased

Primary reason for change
Change in boundary

Change in emissions in this category (metric tons CO2e)
128.4

% change in emissions in this category
629.67

Please explain
INFAC established a new plant this reporting year. For this reason, the main reason for the increase in carbon emissions related to business travel can be seen as an increase in business travel of all divisions related to the establishment of new factory. In addition, in this CDP reporting , the division's data which could not be summed up in the first CDP report, were also summed to calculate more accurate carbon emissions.

Employee commuting

Direction of change
Increased

Primary reason for change
Change in boundary

Change in emissions in this category (metric tons CO2e)
172.64

% change in emissions in this category
445.76

Please explain
INFAC established a new plant this reporting year. As a result, the commuting of employees at the new plant occurred, and in this CDP report, the employees commuting data of the new plant was combined and calculated, increasing the related carbon emissions. In this year's report, the division's data, which could not be summed up in the first CDP report, were also summed up to calculate more accurate carbon emissions.

C8. Energy

C8.1

(C8.1) What percentage of your total operational spend in the reporting year was on energy?

More than 0% but less than or equal to 5%

C8.2

(C8.2) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Yes
Consumption of purchased or acquired electricity	Yes
Consumption of purchased or acquired heat	No
Consumption of purchased or acquired steam	No
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	No

C8.2a

(C8.2a) Report your organization's energy consumption totals (excluding feedstocks) in MWh.

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	Unable to confirm heating value	0	3200.78	3200.78
Consumption of purchased or acquired electricity	<Not Applicable>	0	14438.66	14438.66
Consumption of purchased or acquired heat	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired steam	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired cooling	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of self-generated non-fuel renewable energy	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total energy consumption	<Not Applicable>	0	17639.44	17639.44

C8.2b

(C8.2b) Select the applications of your organization's consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	No
Consumption of fuel for the generation of heat	No
Consumption of fuel for the generation of steam	No
Consumption of fuel for the generation of cooling	No
Consumption of fuel for co-generation or tri-generation	No

C8.2c

(C8.2c) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Sustainable biomass

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

<Not Applicable>

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

Other biomass

Heating value
Unable to confirm heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Other renewable fuels (e.g. renewable hydrogen)

Heating value
Unable to confirm heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Coal

Heating value
Unable to confirm heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Oil

Heating value
Unable to confirm heating value

Total fuel MWh consumed by the organization
130.61

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment
We consumed the 130.61 MWh of oil in this CDP reporting year. Total carbon emissions in Scope1 in the reporting year is 592.027 in metric tonnes of CO2e that was calculated as annual usage of LNG(we consumed 256,440.640 m3 LNG in 2022) and corporate vehicles's gasoline usage(we consumed almost 14,003 liters gasoline for corporate vehicle's fuel in 2022. Our data is including all division's emission of INFAC. Our emissions were referenced based on the IPCC 06 report.

Gas

Heating value
Unable to confirm heating value

Total fuel MWh consumed by the organization
3070.16

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment
We consumed the 3,070.16 MWh of gas in this CDP reporting year. Total carbon emissions in Scope1 in the reporting year is 592.027 in metric tonnes of CO2e that was calculated as annual usage of LNG(we consumed 256,440.640 m3 LNG in 2022) and corporate vehicles's gasoline usage(we consumed almost 14,003 liters gasoline for corporate vehicle's fuel in 2022. Our data is including all division's emission of INFAC. Our emissions were referenced based on the IPCC 06 report.

Other non-renewable fuels (e.g. non-renewable hydrogen)

Heating value
Unable to confirm heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Total fuel

Heating value
Unable to confirm heating value

Total fuel MWh consumed by the organization
3200.78

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment
We consumed the 3,200.78 MWh of fuel to the gas(LNG) and oil(Gasoline or Diesel) in this CDP reporting year. Total carbon emissions in Scope1 in the reporting year is 592.027 in metric tonnes of CO2e that was calculated as annual usage of LNG(we consumed 256,440.640 m3 LNG in 2022) and corporate vehicles's gasoline usage(we consumed almost 14,003 liters gasoline for corporate vehicle's fuel in 2022. Our data is including all division's emission of INFAC. Our emissions were referenced based on the IPCC 06 report.

C8.2g

(C8.2g) Provide a breakdown by country/area of your non-fuel energy consumption in the reporting year.

Country/area
Republic of Korea

Consumption of purchased electricity (MWh)
14438.66

Consumption of self-generated electricity (MWh)
0

Is this electricity consumption excluded from your RE100 commitment?
<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)
0

Consumption of self-generated heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]

C-CG8.5

(C-CG8.5) Does your organization measure the efficiency of any of its products or services?

	Measurement of product/service efficiency	Comment
Row 1	No, and we do not plan to start doing so within the next two years	INFAC doesn't have any plan to start doing so within the next two years. But, we have concern about International Energy Agency's below 2-degree scenario also, we will plan to start doing so within some years.

C9. Additional metrics

C9.1

(C9.1) Provide any additional climate-related metrics relevant to your business.

Description
Waste

Metric value

Metric numerator

Metric denominator (intensity metric only)

% change from previous year

Direction of change
<Not Applicable>

Please explain
We had emitted almost 74.63 ton of waste in this reporting year and if we calculate it to the carbon emissions, that is 166.615 tCO2e.

C-CE9.6/C-CG9.6/C-CH9.6/C-CN9.6/C-CO9.6/C-EU9.6/C-MM9.6/C-OG9.6/C-RE9.6/C-ST9.6/C-TO9.6/C-TS9.6

(C-CE9.6/C-CG9.6/C-CH9.6/C-CN9.6/C-CO9.6/C-EU9.6/C-MM9.6/C-OG9.6/C-RE9.6/C-ST9.6/C-TO9.6/C-TS9.6) Does your organization invest in research and development (R&D) of low-carbon products or services related to your sector activities?

	Investment in low-carbon R&D	Comment
Row 1	No	We do not have any direct investment in low-carbon R&D. However, We believe that some of our products are contributing to reduce the carbon emission indirectly. For example, PCB, one of our main items, is related to Eco vehicle. PCB is an auto part of electric vehicles and hybrid vehicles. So, Eco-automobile reduces the use of fossil fuel. Therefore, we can say that our products can also contribute to reduce carbon indirectly.

C10. Verification

C10.1

(C10.1) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	No third-party verification or assurance
Scope 2 (location-based or market-based)	No third-party verification or assurance
Scope 3	No emissions data provided

C10.2

(C10.2) Do you verify any climate-related information reported in your CDP disclosure other than the emissions figures reported in C6.1, C6.3, and C6.5?
No, but we are actively considering verifying within the next two years

C11. Carbon pricing

C11.1

(C11.1) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?
No, and we do not anticipate being regulated in the next three years

C11.2

(C11.2) Has your organization canceled any project-based carbon credits within the reporting year?
No

C11.3

(C11.3) Does your organization use an internal price on carbon?
No, and we do not currently anticipate doing so in the next two years

C12. Engagement

C12.1

(C12.1) Do you engage with your value chain on climate-related issues?
No, we do not engage

C12.1e

(C12.1e) Why do you not engage with any elements of your value chain on climate-related issues, and what are your plans to do so in the future?

INFAC has not managed its value chain on climate-related issues because of the absence of necessity. However, INFAC has recently recognized the needs and has plans to do so within the next two years.

C12.2

(C12.2) Do your suppliers have to meet climate-related requirements as part of your organization's purchasing process?
No, but we plan to introduce climate-related requirements within the next two years

C12.3

(C12.3) Does your organization engage in activities that could either directly or indirectly influence policy, law, or regulation that may impact the climate?

Row 1

External engagement activities that could directly or indirectly influence policy, law, or regulation that may impact the climate
Not assessed

Does your organization have a public commitment or position statement to conduct your engagement activities in line with the goals of the Paris Agreement?
No, but we plan to have one in the next two years

Attach commitment or position statement(s)
<Not Applicable>

Describe the process(es) your organization has in place to ensure that your external engagement activities are consistent with your climate commitments and/or climate transition plan
For now, INFAC does not have a specific process for its external engagement activities. However, INFAC has a plan to establish the process within two years.

Primary reason for not engaging in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate
<Not Applicable>

Explain why your organization does not engage in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate
<Not Applicable>

C12.4

(C12.4) Have you published information about your organization's response to climate change and GHG emissions performance for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

Publication
Other, please specify

Status
Complete

Attach the document
INFAC CORP (GROUP) - Scorecard _ EcoVadis Platform.pdf

Page/Section reference
The whole file submitted

Content elements
Governance
Risks & opportunities
Emissions figures

Comment
N/A

C12.5

(C12.5) Indicate the collaborative frameworks, initiatives and/or commitments related to environmental issues for which you are a signatory/member.

	Environmental collaborative framework, initiative and/or commitment	Describe your organization's role within each framework, initiative and/or commitment
Row 1	We are not a signatory/member of any collaborative framework, initiative and/or commitment related to environmental issues	<Not Applicable>

C15. Biodiversity

C15.1

(C15.1) Is there board-level oversight and/or executive management-level responsibility for biodiversity-related issues within your organization?

	Board-level oversight and/or executive management-level responsibility for biodiversity-related issues	Description of oversight and objectives relating to biodiversity	Scope of board-level oversight
Row 1	No, and we do not plan to have both within the next two years	<Not Applicable>	<Not Applicable>

C15.2

(C15.2) Has your organization made a public commitment and/or endorsed any initiatives related to biodiversity?

	Indicate whether your organization made a public commitment or endorsed any initiatives related to biodiversity	Biodiversity-related public commitments	Initiatives endorsed
Row 1	No, and we do not plan to do so within the next 2 years	<Not Applicable>	<Not Applicable>

C15.3

(C15.3) Does your organization assess the impacts and dependencies of its value chain on biodiversity?

Impacts on biodiversity

Indicate whether your organization undertakes this type of assessment
No, but we plan to within the next two years

Value chain stage(s) covered
<Not Applicable>

Portfolio activity
<Not Applicable>

Tools and methods to assess impacts and/or dependencies on biodiversity
<Not Applicable>

Please explain how the tools and methods are implemented and provide an indication of the associated outcome(s)
<Not Applicable>

Dependencies on biodiversity

Indicate whether your organization undertakes this type of assessment
No, but we plan to within the next two years

Value chain stage(s) covered
<Not Applicable>

Portfolio activity
<Not Applicable>

Tools and methods to assess impacts and/or dependencies on biodiversity
<Not Applicable>

Please explain how the tools and methods are implemented and provide an indication of the associated outcome(s)
<Not Applicable>

C15.4

(C15.4) Does your organization have activities located in or near to biodiversity- sensitive areas in the reporting year?
No

C15.5

(C15.5) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?

	Have you taken any actions in the reporting period to progress your biodiversity-related commitments?	Type of action taken to progress biodiversity- related commitments
Row 1	No, we are not taking any actions to progress our biodiversity-related commitments, but we plan to within the next two years	<Not Applicable>

C15.6

(C15.6) Does your organization use biodiversity indicators to monitor performance across its activities?

	Does your organization use indicators to monitor biodiversity performance?	Indicators used to monitor biodiversity performance
Row 1	No	Please select

C15.7

(C15.7) Have you published information about your organization's response to biodiversity-related issues for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

Report type	Content elements	Attach the document and indicate where in the document the relevant biodiversity information is located
No publications	<Not Applicable>	<Not Applicable>

C16. Signoff

C-FI

(C-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

INFAC Corporation is a firm that is trying to set up a framework of ESG at its early stage. So, there are many regulations or system related to its effects to environment to institute. It is expected to complete to settle down all the necessary and required institution related to environment within the next two years.

C16.1

(C16.1) Provide details for the person that has signed off (approved) your CDP climate change response.

	Job title	Corresponding job category
Row 1	Senior Manager	Other, please specify (A member of the Planning&Strategies Team in the headquarter of INFAC Corporation)

SC. Supply chain module

SC0.0

(SC0.0) If you would like to do so, please provide a separate introduction to this module.

Nothing to further answer to this question.

SC0.1

(SC0.1) What is your company's annual revenue for the stated reporting period?

	Annual Revenue
Row 1	182780184

SC1.1

(SC1.1) Allocate your emissions to your customers listed below according to the goods or services you have sold them in this reporting period.

Requesting member
Hyundai Motor Co

Scope of emissions
Scope 1

Scope 2 accounting method
<Not Applicable>

Scope 3 category(ies)
<Not Applicable>

Allocation level
Company wide

Allocation level detail
<Not Applicable>

Emissions in metric tonnes of CO2e
414

Uncertainty (±%)
5.7

Major sources of emissions
Production and sales activities

Verified
Yes

Allocation method
Allocation based on the volume of products purchased

Market value or quantity of goods/services supplied to the requesting member
127976106

Unit for market value or quantity of goods/services supplied
Currency

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Total emissions in Scope1 in the reporting year is 592 in metric tonnes of CO2e, and the rate of the market value of goods/services supplied to Hyundai Motor Co. is around 70.0%.
Therefore, the emissions in Scope1 occurred by supplying to HMC is approximately 414 in metric tonnes of CO2e.

Requesting member
Hyundai Motor Co

Scope of emissions
Scope 2

Scope 2 accounting method
Market-based

Scope 3 category(ies)
<Not Applicable>

Allocation level
Company wide

Allocation level detail
<Not Applicable>

Emissions in metric tonnes of CO2e
4644

Uncertainty (±%)
64.3

Major sources of emissions
Production and sales activities

Verified
Yes

Allocation method
Allocation based on the volume of products purchased

Market value or quantity of goods/services supplied to the requesting member
127976106

Unit for market value or quantity of goods/services supplied
Currency

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made
Total emissions in Scope2 in the reporting year is 6,633 in metric tonnes of CO2e, and the rate of the market value of goods/services supplied to Hyundai Motor Co. is around 70.0%.
Therefore, the emissions in Scope2 occurred by supplying to HMC is approximately 4,644 in metric tonnes of CO2e.

Requesting member
Kia Motors Corp

Scope of emissions
Scope 1

Scope 2 accounting method
<Not Applicable>

Scope 3 category(ies)
<Not Applicable>

Allocation level
Company wide

Allocation level detail
<Not Applicable>

Emissions in metric tonnes of CO2e
21

Uncertainty (±%)
0.3

Major sources of emissions
Production and sales activities

Verified
Yes

Allocation method
Allocation based on the volume of products purchased

Market value or quantity of goods/services supplied to the requesting member
6517429

Unit for market value or quantity of goods/services supplied
Currency

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made
Total emissions in Scope1 in the reporting year is 592 in metric tonnes of CO2e, and the rate of the market value of goods/services supplied to Kia Motor Co. is around 3.6%.

Therefore, the emissions in Scope1 occurred by supplying to KMC is approximately 21 in metric tonnes of CO2e.

Requesting member
Kia Motors Corp

Scope of emissions
Scope 2

Scope 2 accounting method
Market-based

Scope 3 category(ies)
<Not Applicable>

Allocation level
Company wide

Allocation level detail
<Not Applicable>

Emissions in metric tonnes of CO2e
237

Uncertainty (±%)
3.3

Major sources of emissions
Production and sales activities

Verified
Yes

Allocation method
Allocation based on the volume of products purchased

Market value or quantity of goods/services supplied to the requesting member
6517429

Unit for market value or quantity of goods/services supplied
Currency

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made
Total emissions in Scope2 in the reporting year is 6,633 in metric tonnes of CO2e, and the rate of the market value of goods/services supplied to Kia Motor Co. is around 3.6%.
Therefore, the emissions in Scope2 occurred by supplying to HMC is approximately 237 in metric tonnes of CO2e.

SC1.2

(SC1.2) Where published information has been used in completing SC1.1, please provide a reference(s).

Hyundai Motor Company and Kia Motor Company have requested us to calculate how much we emitted carbon in producing and supplying our products for them. We submitted the report to them and used the same data for this CDP evaluation.

SC1.3

(SC1.3) What are the challenges in allocating emissions to different customers, and what would help you to overcome these challenges?

Allocation challenges	Please explain what would help you overcome these challenges
Customer base is too large and diverse to accurately track emissions to the customer level	Allocating emissions for each customer is very difficult, and we only have a way to do this by allocate them based on the sales amount of each customer. If there are better and more accurate methods, we would like to learn them.

SC1.4

(SC1.4) Do you plan to develop your capabilities to allocate emissions to your customers in the future?
Yes

SC1.4a

(SC1.4a) Describe how you plan to develop your capabilities.

To be honest, we do not know how to develop the capabilities, but we are going to figure out how to do this by get consultation from the thrid party as soon as possible.

SC2.1

(SC2.1) Please propose any mutually beneficial climate-related projects you could collaborate on with specific CDP Supply Chain members.

Requesting member
Hyundai Motor Co

Group type of project
Relationship sustainability assessment

Type of project
Sustainability audit of existing relationship

Emissions targeted
Actions that would reduce our own operational emissions (our scope 1 & 2)

Estimated timeframe for carbon reductions to be realized
3-5 years

Estimated lifetime CO2e savings
0

Estimated payback
3-5 years

Details of proposal
To be honest, we do not know how to collaborate with our customers, but we hope so.

SC2.2

(SC2.2) Have requests or initiatives by CDP Supply Chain members prompted your organization to take organizational-level emissions reduction initiatives?
No

SC4.1

(SC4.1) Are you providing product level data for your organization's goods or services?
No, I am not providing data

Submit your response

In which language are you submitting your response?
English

Please confirm how your response should be handled by CDP

	I understand that my response will be shared with all requesting stakeholders	Response permission
Please select your submission options	Yes	Public

Please confirm below
I have read and accept the applicable Terms