



Sustainability Report 2021

# Key Figures





# Protecting the Environment



## GHG Emissions

### GRI 305-1: Direct (Scope 1) GHG Emissions

Gross Direct (Scope 1) GHG Emissions in Metric Tons of CO<sub>2</sub> equivalent

| Carbon sources               | 2018<br>Gross direct GHG Emissions<br>(Metric Tons CO <sub>2</sub> equivalent) | 2019<br>Gross direct GHG Emissions<br>(Metric Tons CO <sub>2</sub> equivalent) | 2020<br>Gross direct GHG Emissions<br>(Metric Tons CO <sub>2</sub> equivalent) | 2021<br>Gross direct GHG Emissions<br>(Metric Tons CO <sub>2</sub> equivalent) |
|------------------------------|--|--|--|--|
| Diesel                       | 6,210  | 5,830  | 6,530  | 6,480  |
| Electricity: non-renewable   | 12,700   | 13,100   | 13,200   | 11,700   |
| LPG                          | 5  | 6  | 6  | 6  |
| Gasoline                     | 77   | 126  | 105  | 109  |
| Natural gas                  | 15,700   | 14,500   | 14,400   | 15,100   |
| Vehicles: distance travelled | 234  | 239  | 80   | 128  |
| Propane                      | 32   | 28   | 28   | 31   |
| Refinery fuel gas            | 1,160  | 1,130  | 1,170  | 1,490  |
| Refrigerants                 | 22,600   | 17,700   | 1,730*   | 10,300   |
| Steam                        | 15,600   | 15,100   | 15,200   | 15,400   |
| Process emissions            | 6,120  | 7,490  | 5,040  | 6,770  |
| <b>Grand Total</b>           | <b>80,400</b>  | <b>75,200</b>  | <b>57,500</b>  | <b>67,500</b>  |

\*Increase in refrigerant due to improved data quality





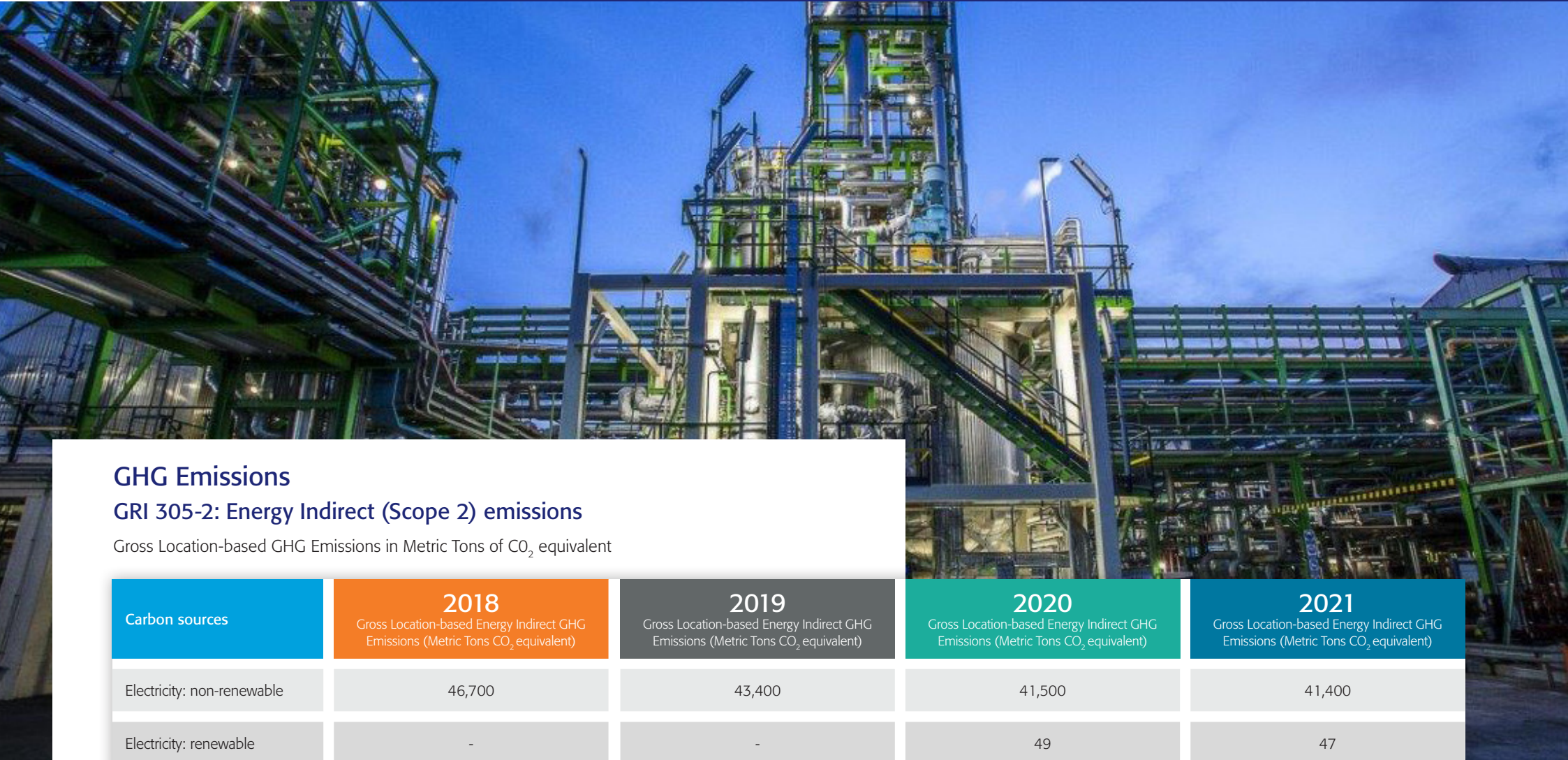


## GHG Emissions

### GRI 305-2: Energy Indirect (Scope 2) emissions

Gross Market-based GHG Emissions in Metric Tons of CO<sub>2</sub> equivalent

| Carbon sources             | 2018<br>Gross Market-based Energy Indirect GHG Emissions (Metric Tons CO <sub>2</sub> equivalent) | 2019<br>Gross Market-based Energy Indirect GHG Emissions (Metric Tons CO <sub>2</sub> equivalent) | 2020<br>Gross Market-based Energy Indirect GHG Emissions (Metric Tons CO <sub>2</sub> equivalent) | 2021<br>Gross Market-based Energy Indirect GHG Emissions (Metric Tons CO <sub>2</sub> equivalent) |
|----------------------------|---|---|---|---|
| Electricity: non-renewable | 51,500  | 50,700  | 49,500  | 49,600  |
| Electricity: renewable     | -   | -   | -   | -   |
| Steam                      | 78,900  | 80,800  | 75,100  | 72,800  |
| <b>Grand Total</b>         | <b>130,000</b>  | <b>132,000</b>  | <b>125,000</b>  | <b>122,000</b>  |



## GHG Emissions

### GRI 305-2: Energy Indirect (Scope 2) emissions

Gross Location-based GHG Emissions in Metric Tons of CO<sub>2</sub> equivalent

| Carbon sources             | 2018<br>Gross Location-based Energy Indirect GHG Emissions (Metric Tons CO <sub>2</sub> equivalent) | 2019<br>Gross Location-based Energy Indirect GHG Emissions (Metric Tons CO <sub>2</sub> equivalent) | 2020<br>Gross Location-based Energy Indirect GHG Emissions (Metric Tons CO <sub>2</sub> equivalent) | 2021<br>Gross Location-based Energy Indirect GHG Emissions (Metric Tons CO <sub>2</sub> equivalent) |
|----------------------------|---|---|---|---|
| Electricity: non-renewable | 46,700  | 43,400  | 41,500  | 41,400  |
| Electricity: renewable     | -   | -   | 49  | 47  |
| Steam                      | 78,900  | 80,800  | 75,100  | 72,800  |
| <b>Grand Total</b>         | <b>126,000</b>  | <b>124,000</b>  | <b>117,000</b>  | <b>114,000</b>  |





## GHG Emissions

### GRI 305-3: Other Indirect (Scope 3) emissions

Other indirect (Scope 3) GHG Emissions in Metric Tons of CO<sub>2</sub> equivalent

| Energy sources     | 2018<br>Other indirect GHG Emissions<br>(Metric Tons CO <sub>2</sub> equivalent) | 2019<br>Other indirect GHG Emissions<br>(Metric Tons CO <sub>2</sub> equivalent) | 2020<br>Other indirect GHG Emissions<br>(Metric Tons CO <sub>2</sub> equivalent) | 2021<br>Other indirect GHG Emissions<br>(Metric Tons CO <sub>2</sub> equivalent) |
|--------------------|--|--|--|--|
| Upstream           | 2,510,00   | 2,400,000  | 2,230,000  | 2,460,000  |
| Downstream         | 1,650,000  | 1,620,000  | 1,530,000  | 1,560,000*   |
| <b>Grand Total</b> | <b>4,150,000</b>   | <b>4,020,000</b>   | <b>3,760,000</b>   | <b>4,020,000</b>   |

\*excludes Category 15, Investments. Data not available at time of publication.

## GRI 305-4: GHG Emissions Intensity

GHG Emissions Intensity Ratio for the Organisation in Metric Tons of CO<sub>2</sub> equivalent/ Tons of Production

| Carbon sources               | 2018<br>Gross Direct GHG Emissions<br>(Metric Tons CO <sub>2</sub> equivalent/ Production Tons) | 2019<br>Gross Direct GHG Emissions<br>(Metric Tons CO <sub>2</sub> equivalent/ Production Tons) | 2020<br>Gross Direct GHG Emissions<br>(Metric Tons CO <sub>2</sub> equivalent/ Production Tons) | 2021<br>Gross Direct GHG Emissions<br>(Metric Tons CO <sub>2</sub> equivalent/ Production Tons) |
|------------------------------|---|---|---|---|
| Diesel                       | 0.005   | 0.005   | 0.006   | 0.005   |
| Electricity: non-renewable   | 0.048   | 0.047   | 0.048   | 0.044   |
| LPG                          | 0.000   | 0.000   | 0.000   | 0.000   |
| Gasoline                     | 0.000   | 0.000   | 0.000   | 0.000   |
| Natural gas                  | 0.013   | 0.012   | 0.013   | 0.013   |
| Vehicles: distance travelled | 0.000   | 0.000   | 0.000   | 0.000   |
| Process emissions            | 0.005   | 0.006   | 0.004   | 0.006   |
| Propane                      | 0.000   | 0.000   | 0.000   | 0.000   |
| Refrigerants                 | 0.018   | 0.015   | 0.002   | 0.009   |
| Steam                        | 0.076   | 0.080   | 0.080   | 0.074   |
| Refinery fuel gas            | 0.001   | 0.001   | 0.001   | 0.001   |
| <b>Grand Total</b>           | <b>0.166</b>  | <b>0.167</b>  | <b>0.153</b>  | <b>0.152</b>  |

The Organisation-specific metric (the denominator) chosen to calculate the ratio was tons (t) of production. Scope 1 and 2 GHG emissions have been included in the intensity ratio.

## Climate and Energy

### GRI 302-1: Energy consumption within the organisation

Total Fuel Consumption within the Organisation from Non-renewable Sources in Gigajoules

| Energy sources             | 2018<br>Non-renewable Fuel Consumption<br>(Gigajoules) | 2019<br>Non-renewable Fuel Consumption<br>(Gigajoules) | 2020<br>Non-renewable Fuel Consumption<br>(Gigajoules) | 2021<br>Non-renewable Fuel Consumption<br>(Gigajoules) |
|----------------------------|--|--|--|--|
| Diesel                     | 90,200   | 124,000  | 97,700   | 98,500   |
| Electricity: non-renewable | 680,000  | 683,000  | 673,000  | 655,000  |
| Gas: LPG                   | 87   | 104  | 94   | 96   |
| Gasoline                   | 1,190  | 1,940  | 1,650  | 1,720  |
| Natural gas                | 305,000  | 284,000  | 282,000  | 297,000  |
| Propane                    | 544  | 464  | 461  | 516  |
| Steam                      | 1,820,000  | 1,950,000  | 1,860,000  | 1,830,000  |
| Refinery fuel gas          | 84,200   | 84,300   | 84,800   | 86,800   |
| <b>Grand Total</b>         | <b>2,980,000</b>                                       | <b>3,130,000</b>                                       | <b>3,000,000</b>                                       | <b>2,970,000</b>                                       |





### Total Fuel Consumption within the Organisation from Renewable Sources in Gigajoules

| Energy sources         | 2018<br>Renewable Fuel Consumption<br>(Gigajoules) | 2019<br>Renewable Fuel Consumption<br>(Gigajoules) | 2020<br>Renewable Fuel Consumption<br>(Gigajoules) | 2021<br>Renewable Fuel Consumption<br>(Gigajoules) |
|------------------------|--|--|--|--|
| Electricity: renewable | 456  | 456  | 12,100   | 11,100   |
| <b>Grand Total</b>     | <b>456</b>   | <b>456</b>   | <b>12,100</b>                                      | <b>11,100</b>                                      |



### Electricity Consumption and Steam Consumption in Gigajoules

| Energy sources             | 2018<br>Fuel consumption (Gigajoules) | 2019<br>Fuel consumption (Gigajoules) | 2020<br>Fuel consumption (Gigajoules) | 2021<br>Fuel consumption (Gigajoules) |
|----------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Electricity consumption    | 630,000                               | 631,000                               | 630,000                               | 623,000                               |
| Electricity: non-renewable | 630,000                               | 631,000                               | 618,000                               | 612,000                               |
| Electricity: renewable     | 456                                   | 456                                   | 12,100                                | 11,100                                |
| Steam consumption          | 1,780,000                             | 1,910,000                             | 1,830,000                             | 1,800,000                             |
| Steam                      | 1,780,000                             | 1,910,000                             | 1,830,000                             | 1,800,000                             |
| <b>Grand Total</b>         | <b>2,410,000</b>                      | <b>2,540,000</b>                      | <b>2,460,000</b>                      | <b>2,420,000</b>                      |



## Electricity Sold and Steam Sold in Gigajoules

| Energy sources             | 2018<br>Fuel sold (Gigajoules) | 2019<br>Fuel sold (Gigajoules) | 2020<br>Fuel sold (Gigajoules) | 2021<br>Fuel sold (Gigajoules) |
|----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Electricity sold           | 50,100                         | 52,600                         | 54,300                         | 43,400                         |
| Electricity: non-renewable | 50,100                         | 52,600                         | 54,300                         | 43,400                         |
| Steam sold                 | 34,800                         | 33,400                         | 31,000                         | 29,400                         |
| Steam                      | 34,800                         | 33,400                         | 31,000                         | 29,400                         |
| <b>Grand Total</b>         | <b>84,900</b>                  | <b>86,000</b>                  | <b>85,300</b>                  | <b>72,800</b>                  |

## Total Energy Consumption within the Organisation in Gigajoules

| Energy sources             | 2018<br>Energy Consumption (Gigajoules) | 2019<br>Energy Consumption (Gigajoules) | 2020<br>Energy Consumption (Gigajoules) | 2021<br>Energy Consumption (Gigajoules) |
|----------------------------|---|---|---|---|
| Diesel                     | 90,200                                  | 124,000                                 | 97,700                                  | 98,500                                  |
| Electricity: non-renewable | 680,000                                 | 683,000                                 | 673,000                                 | 655,000                                 |
| Electricity: renewable     | 456                                     | 456                                     | 12,100                                  | 11,100                                  |
| Gas: LPG                   | 87                                      | 104                                     | 94                                      | 96                                      |
| Gasoline                   | 1,190                                   | 1,940                                   | 1,650                                   | 1,720                                   |
| Natural gas                | 305,000                                 | 284,000                                 | 282,000                                 | 297,000                                 |
| Propane                    | 544                                     | 464                                     | 461                                     | 516                                     |
| Steam                      | 1,820,000                               | 1,950,000                               | 1,860,000                               | 1,830,000                               |
| Refinery fuel gas          | 84,200                                  | 84,300                                  | 84,800                                  | 86,800                                  |
| <b>Grand Total</b>         | <b>2,980,000</b>                        | <b>3,130,000</b>                        | <b>3,010,000</b>                        | <b>2,980,000</b>                        |

We have used the following sources for conversion factors:

Calorific values used for Diesel, LPG, Gasoline, Propane etc - [DBEIS](#)

Steam – using calorific value available online via engineering toolbox website based on the pressure of steam used by sites

Remaining – general conversions taken primarily from DBEIS



## GRI: 302-3: Energy Intensity

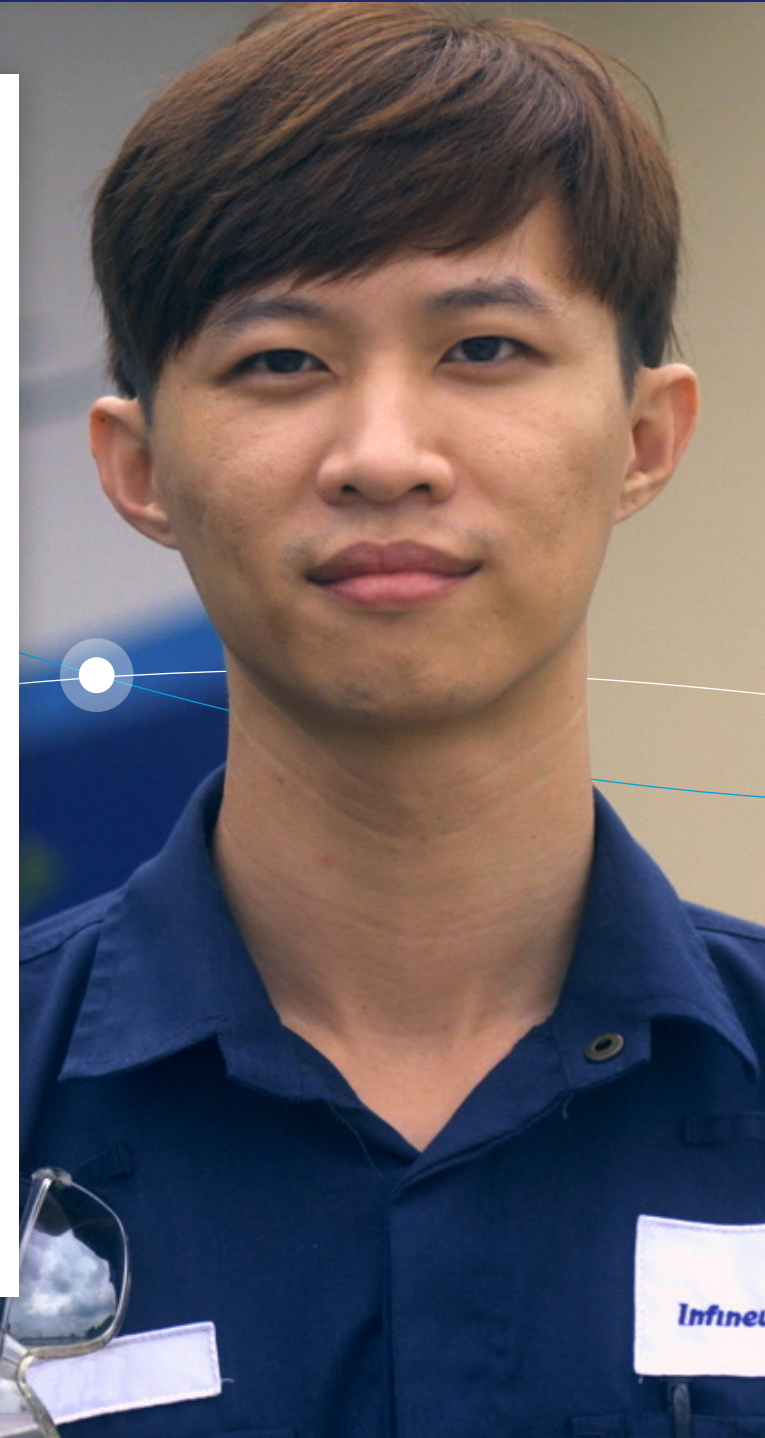
Energy Intensity Ratio for the Organisation in Gigajoules/ Tons of Production

| Energy sources             | 2018<br>Energy consumption<br>(Gigajoules/ Production Tons) | 2019<br>Energy consumption<br>(Gigajoules/ Production Tons) | 2020<br>Energy consumption<br>(Gigajoules/ Production Tons) | 2021<br>Energy consumption<br>(Gigajoules/ Production Tons) |
|----------------------------|---|---|---|---|
| Diesel                     | 0.07  | 0.10  | 0.09  | 0.08  |
| Electricity: non-renewable | 0.55  | 0.57  | 0.59  | 0.55  |
| Electricity: renewable     | 0.00  | 0.00  | 0.01  | 0.01  |
| LPG                        | 0.00  | 0.00  | 0.00  | 0.00  |
| Gasoline                   | 0.00  | 0.00  | 0.00  | 0.00  |
| Natural gas                | 0.25  | 0.24  | 0.25  | 0.25  |
| Propane                    | 0.00  | 0.00  | 0.00  | 0.00  |
| Steam                      | 1.46  | 1.63  | 1.64  | 1.53  |
| Refinery fuel gas          | 0.07  | 0.07  | 0.07  | 0.07  |
| <b>Grand Total</b>         | <b>2.40</b>   | <b>2.61</b>   | <b>2.65</b>   | <b>2.49</b>   |

Some changes to previous years due to improved data quality.

## Greenhouse Gas and Energy Data Methodology

- The organisation-specific metric chosen to calculate the ratio was tons (t) of production. All types of energy are included within the intensity ratio: fuel, electricity, heating, cooling, and steam. The ratio used energy consumption within the organization.
- The data has been calculated to three significant figures. The base year for our calculation is 2018, as it is considered the most recent representative year for production across Infineum sites globally. The calculations account for the six major GHGs (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, and SF<sub>6</sub>) where possible.
- Non-renewable electricity and steam at our site in Vado Ligure, Italy is produced by natural gas being burned in the co-generation unit and the energy use is accounted for as Natural Gas.
- We use Department for Business, Energy and Industrial Strategy (DBEIS) emission factors for most emissions except for the following: refinery fuel gas where we use the molecular content of gas and stoichiometry; grid electricity for all countries except UK and USA where we use the International Energy Agency (IEA); and US electricity where we use EPA.
- When refrigerant data is unavailable, we use estimates based on average leak rates supplied by DBEIS UK.
- We measure GHG emissions based on the operational control criterion and follow the GHG Protocol Corporate Standard.
- We work with site leads to identify the most suitable individual(s) to identify the direct and indirect emission sources for that site and provide emissions and other environmental data each month. We engage with these representatives on a monthly basis.
- Small offices (mostly 10 or fewer Infineum colleagues) are excluded from emissions estimates.
- Due to the Services Utilities Materials Facilities (SUMF) agreement for our Rio de Janeiro site, estimated consumption of steam and electricity figures are yet to be independently metered. As a result, this site is billed for steam consumption in the amount of natural gas used to generate said steam.
- Scope 3 emissions are calculated to the GHG Protocol Corporate Value Chain (Scope 3) Standard. GHG emissions are estimated for all scope 3 categories relevant to Infineum, unless stated. Infineum's scope 3 is estimated using the full range of calculation methods, using emission factors obtained from suppliers, proprietary and public databases, as well as extended environmental input output (EEIO) data. A level of uncertainty as to the accuracy of the scope 3 estimations apply.







## Water

### GRI 303-1: Water withdrawal by source

Total Volume of Water Withdrawn in Megalitres

| Water sources      | 2018<br>Water Used (Megalitres) | 2019<br>Water Used (Megalitres) | 2020<br>Water Used (Megalitres) | 2021<br>Water Used (Megalitres) |
|--------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Groundwater        | 333                             | 322                             | 293                             | 318                             |
| Municipal supply   | 1,220                           | 1,270                           | 1,260                           | 1,300                           |
| Sea                | 14,100                          | 11,900                          | 15,500*                         | 16,500                          |
| <b>Grand Total</b> | <b>15,700</b>                   | <b>13,500</b>                   | <b>17,100</b>                   | <b>18,100</b>                   |

\*Increase in figure due to improved data quality  
Sea water is used at our Bayway, New Jersey site for cooling and firefighting only. Under normal operating conditions this is safely returned to sea.

## Resource efficiency and waste

### GRI 306-3: Waste generated

Total Weight of Waste Generated in Metric Tons

| Waste type and disposal methods      | 2018<br>Waste generated (Metric Tons) | 2019<br>Waste generated (Metric Tons) | 2020<br>Waste generated (Metric Tons) | 2021<br>Waste generated (Metric Tons) |
|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Liquid hazardous                     | 9,460                                 | 9,680                                 | 10,100                                | 11,400                                |
| Biological treatment                 | 873                                   | 598                                   | 223                                   | 781                                   |
| Incineration with energy recovery    | 7,260                                 | 6,810                                 | 7,800                                 | 9,160                                 |
| Incineration without energy recovery | 710                                   | 1,620                                 | 1,790                                 | 955                                   |
| Landfill                             | -                                     | 75                                    | 43                                    | 1                                     |
| Recycling                            | 618                                   | 483                                   | 173                                   | 377                                   |
| Reuse                                | -                                     | 91                                    | 83                                    | 2                                     |
| Water treatment                      | -                                     | -                                     | 6                                     | 113                                   |
| Liquid non-hazardous                 | 2,020                                 | 3,200                                 | 4,500                                 | 5,360                                 |
| Biological treatment                 | -                                     | -                                     | -                                     | 194                                   |
| Incineration with energy recovery    | 0                                     | 1,550                                 | 1,460                                 | 1,350                                 |
| Incineration without energy recovery | 43                                    | 47                                    | 188                                   | 34                                    |
| Landfill                             | -                                     | -                                     | 1,220                                 | 2,090                                 |
| Recycling                            | 38                                    | 0                                     | 0                                     | 4                                     |
| Reuse                                | -                                     | -                                     | -                                     | -                                     |
| Water treatment                      | 1,940                                 | 1,600                                 | 1,630                                 | 1,690                                 |

This data is externally audited. 'Biological treatment' uses natural processes to help with the decomposition of organic substances, to remove them from wastewater for proper disposal.



## Resource efficiency and waste (continued)

### GRI 306-3: Waste generated

Total Weight of Waste Generated in Metric Tons

| Waste type and disposal methods      | 2018<br>Waste generated (Metric Tons) | 2019<br>Waste generated (Metric Tons) | 2020<br>Waste generated (Metric Tons) | 2021<br>Waste generated (Metric Tons) |
|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Solid hazardous                      | 3,310                                 | 3,090                                 | 3,010                                 | 2,940                                 |
| Biological treatment                 | 156                                   | 13                                    | -                                     | -                                     |
| Incineration with energy recovery    | 2,160                                 | 2,480                                 | 2,060                                 | 2,150                                 |
| Incineration without energy recovery | 169                                   | 335                                   | 130                                   | 55                                    |
| Landfill                             | 612                                   | 69                                    | 665                                   | 555                                   |
| Recycling                            | 208                                   | 191                                   | 164                                   | 180                                   |
| Reuse                                | -                                     | 2                                     | -                                     | -                                     |
| Solid non-hazardous                  | 3,790                                 | 4,020                                 | 3,750                                 | 3,570                                 |
| Biological treatment                 | 0                                     | 542                                   | 232                                   | 108                                   |
| Incineration with energy recovery    | 722                                   | 605                                   | 425                                   | 571                                   |
| Incineration without energy recovery | 172                                   | 200                                   | 0                                     | 1                                     |
| Landfill                             | 2,460                                 | 2,260                                 | 2,810                                 | 2,520                                 |
| Recycling                            | 439                                   | 417                                   | 279                                   | 371                                   |
| Reuse                                | -                                     | -                                     | -                                     | 2                                     |
| <b>Grand Total</b>                   | <b>18,600</b>                         | <b>20,000</b>                         | <b>21,400</b>                         | <b>23,300</b>                         |

This data is externally audited. 'Biological treatment' uses natural processes to help with the decomposition of organic substances, to remove them from wastewater for proper disposal.

# Independent limited assurance statement

To the Stakeholders of Infineum International Limited

## Introduction and Objectives of Work

Apex Companies, LLC (Apex) has been engaged by Infineum International Limited (Infineum) to provide reasonable assurance of its 2021 Scope 1 Greenhouse Gas (GHG) emissions and Scope 2 (Location-Based and Market-Based) GHG emissions. Apex has also been engaged to provide limited assurance of Infineum's Scope 3 GHG emissions (Purchased Goods and Services, Capital Goods, Fuel and Energy-Related Activities, Upstream Transportation and Distribution, Waste in Operations, Business Travel, Employee Commuting, Upstream Leased Assets, Downstream Transportation and Distribution, Processing of Sold Products, Use of Sold Products, and End of Life Treatment of Sold Products), Water Withdrawals, and Waste Production listed in the following tables. This assurance statement applies to the Subject Matter included within the scope of work described below.

This information and its presentation are the sole responsibility of the management of Infineum. Our sole responsibility was to provide independent assurance on the accuracy of the Subject Matter.

## Scope of Work

The scope of our work was limited to assurance of GHG Emissions (Scope 1, Scope 2 [location-based and market-based], Scope 3 [Purchased Goods and Services, Capital Goods, Fuel and Energy-Related Activities, Upstream Transportation and Distribution, Waste in Operations, Business Travel, Employee Commuting, Upstream Leased Assets, Downstream Transportation and Distribution, Processing of Sold Products, Use of Sold Products, and End of Life Treatment of Sold Products]), Water Withdrawals, and Waste Production for the period January 1, 2021 to December 31, 2021 (the 'Subject Matter'). The metrics assured by Apex are included in the attached table.

Data and information supporting the Subject Matter were mostly historical in nature and in some cases estimated.

## Reporting Boundaries

The following are the boundaries used by Infineum for reporting sustainability data:

- Operational Control
- Worldwide

## Reporting Criteria

- World Resources Institute (WRI)/World Business Council for Sustainable Development (WBCSD) GHG Protocol Corporate Accounting and Reporting Standard (Scope 1 and 2 GHG emissions)
- WRI/WBCSD Corporate Value Chain Accounting and Reporting Standard (Scope 3 GHG emissions)
- 2021 GRI Standards
- Infineum's Inventory Management Plan and Scope 3 Inventory Management Plan

## Limitations and Exclusions

Excluded from the scope of our work is any assurance of information relating to:

- Activities outside the defined assurance period;
- Material outside the scope of work.

This assurance engagement relies on a risk based selected sample of sustainability data and the associated limitations that this entails. The reliability of the reported data is dependent on the accuracy of metering and other production measurement arrangements employed at site level, not addressed as part of this assurance. This independent statement should not be relied upon to detect all errors, omissions or misstatements that may exist.

## Responsibilities

The preparation and presentation of the Subject Matter are the sole responsibility of the management of Infineum.

Apex was not involved in the development of the Subject Matter or of the Reporting Criteria. Our responsibilities were to:

- obtain assurance about whether the Subject Matter has been prepared in accordance with the Reporting Criteria;
- form an independent conclusion based on the assurance procedures performed and evidence obtained; and
- report our conclusions to the Stakeholders of Infineum.

## Assessment Standards

- We performed our work in accordance with Apex's standard procedures and guidelines for external Assurance of Sustainability Reports and International Standard on Assurance Engagements (ISAE) 3000 Revised, Assurance Engagements Other than Audits or Reviews of Historical Financial Information (effective for assurance reports dated on or after Dec. 15, 2015), issued by the International Auditing and Assurance Standards Board. A materiality threshold of  $\pm 5$ -percent was set for the assurance process.
- ISO 14064-3 Second Edition 2019-04: Greenhouse gases -- Part 3: Specification with guidance for the verification and validation of greenhouse gas statements.



### Summary of Work Performed

As part of our independent assurance, our work included:

1. Assessing the appropriateness of the Reporting Criteria for the Subject Matter;
2. Queried information and data related to the Subject Matter from relevant personnel;
3. Reviewing the data collection and consolidation processes used to compile Subject Matter, including assessing assumptions made, and the data scope and reporting boundaries;
4. Reviewing documentary evidence provided by relevant personnel; and,
5. Agreeing on a selection of the Subject Matter to the corresponding source documentation.

### Conclusion

On the basis of our methodology and the activities described above, we conclude that the Scope 1 and 2 GHG emissions statement in the table below:

- is materially correct and is a fair representation of the GHG emissions data and information; and
- is prepared in accordance with the WRI/WBCSD GHG Protocol (Scope 1 and 2).

We further conclude that based on the process and procedures conducted, there is no evidence that the Scope 3 GHG emissions, water data and waste data statement in the table below is not:

- a fair representation of the GHG emissions, water and waste data and information; and
- prepared in accordance with the WRI/WBCSD Greenhouse Gas Protocol Corporate Value Chain Accounting and Reporting Standard (Scope 3).

### Statement of Independence, Integrity and Competence

Apex is an independent professional services company that specializes in Health, Safety, Social and Environmental management services including assurance with over 30 years history in providing these services.

Apex has implemented a Code of Ethics across the business to maintain high ethical standards among staff in their day-to-day business activities.

No member of the assurance team has a business relationship with Infineum, its Directors or Managers beyond that required of this assignment. We have conducted this verification independently, and there has been no conflict of interest.

The assurance team has extensive experience in conducting assurance over environmental, social, ethical and health and safety information, systems and processes, and has over 20 years combined experience in this field and an excellent understanding of Apex's standard methodology for the assurance of sustainability data.



Cody Lorentson  
Lead Assuror  
Project Manager  
Apex Companies, LLC  
Lakewood, CO



Trevor Donaghu  
Technical Reviewer  
Program Manager  
Apex Companies, LLC  
Pleasant Hill, CA

March 17, 2022

# Infineum International Limited

| GHG Emissions  | Units                         | 2021      |
|--|-------------------------------|-----------|
| Scope 1  | Metric Tons CO <sub>2</sub> e | 67,500    |
| Scope 2 (location-based)   | Metric Tons CO <sub>2</sub> e | 114,000   |
| Scope 2 (market-based)   | Metric Tons CO <sub>2</sub> e | 122,000   |
| Scope 3: Upstream Emissions<br>(Purchased goods and services, capital goods, fuel and energy-related activities, upstream transportation and distribution, waste in operations, business travel, employee commuting, upstream leased assets) | Metric Tons CO <sub>2</sub> e | 2,460,000 |
| Scope 3: Downstream Emissions<br>(Downstream transportation and distribution, processing of sold products, use of sold products, end of life treatment of sold products)   | Metric Tons CO <sub>2</sub> e | 1,560,000 |
| Water Withdrawal   | Units                         | 2021      |
| Total seawater withdrawal  | Liters (Millions)             | 16,500    |
| Total municipal and groundwater withdrawal   | Liters (Millions)             | 1,620     |

| Waste Production  | Units       | 2021  |
|---|-------------|-------|
| Liquid hazardous biological treatment                     | Metric Tons | 781   |
| Liquid hazardous incineration with energy recovery        | Metric Tons | 9,160 |
| Liquid hazardous incineration without energy recovery     | Metric Tons | 955   |
| Liquid hazardous landfill                                 | Metric Tons | 1     |
| Liquid hazardous recycling                                | Metric Tons | 377   |
| Liquid hazardous reuse                                    | Metric Tons | 2     |
| Liquid hazardous water treatment                          | Metric Tons | 113   |
| Liquid non-hazardous biological treatment                 | Metric Tons | 194   |
| Liquid non-hazardous incineration with energy recovery    | Metric Tons | 1,350 |
| Liquid non-hazardous incineration without energy recovery | Metric Tons | 34    |
| Liquid non-hazardous landfill                             | Metric Tons | 2,090 |
| Liquid non-hazardous recycling                            | Metric Tons | 4     |
| Liquid non-hazardous reuse                                | Metric Tons | 0     |
| Liquid non-hazardous water treatment                      | Metric Tons | 1,690 |
| Solid hazardous biological treatment                      | Metric Tons | 0     |
| Solid hazardous incineration with energy recovery         | Metric Tons | 2,150 |
| Solid hazardous incineration without energy recovery      | Metric Tons | 55    |
| Solid hazardous landfill                                  | Metric Tons | 555   |
| Solid hazardous recycling                                 | Metric Tons | 180   |
| Solid hazardous reuse                                     | Metric Tons | 0     |
| Solid non-hazardous biological treatment                  | Metric Tons | 108   |
| Solid non-hazardous incineration with energy recovery     | Metric Tons | 571   |
| Solid non-hazardous incineration without energy recovery  | Metric Tons | 1     |
| Solid non-hazardous landfill                              | Metric Tons | 2,520 |
| Solid non-hazardous recycling                             | Metric Tons | 371   |
| Solid non-hazardous reuse                                 | Metric Tons | 2     |

\*These values may be impacted by rounding