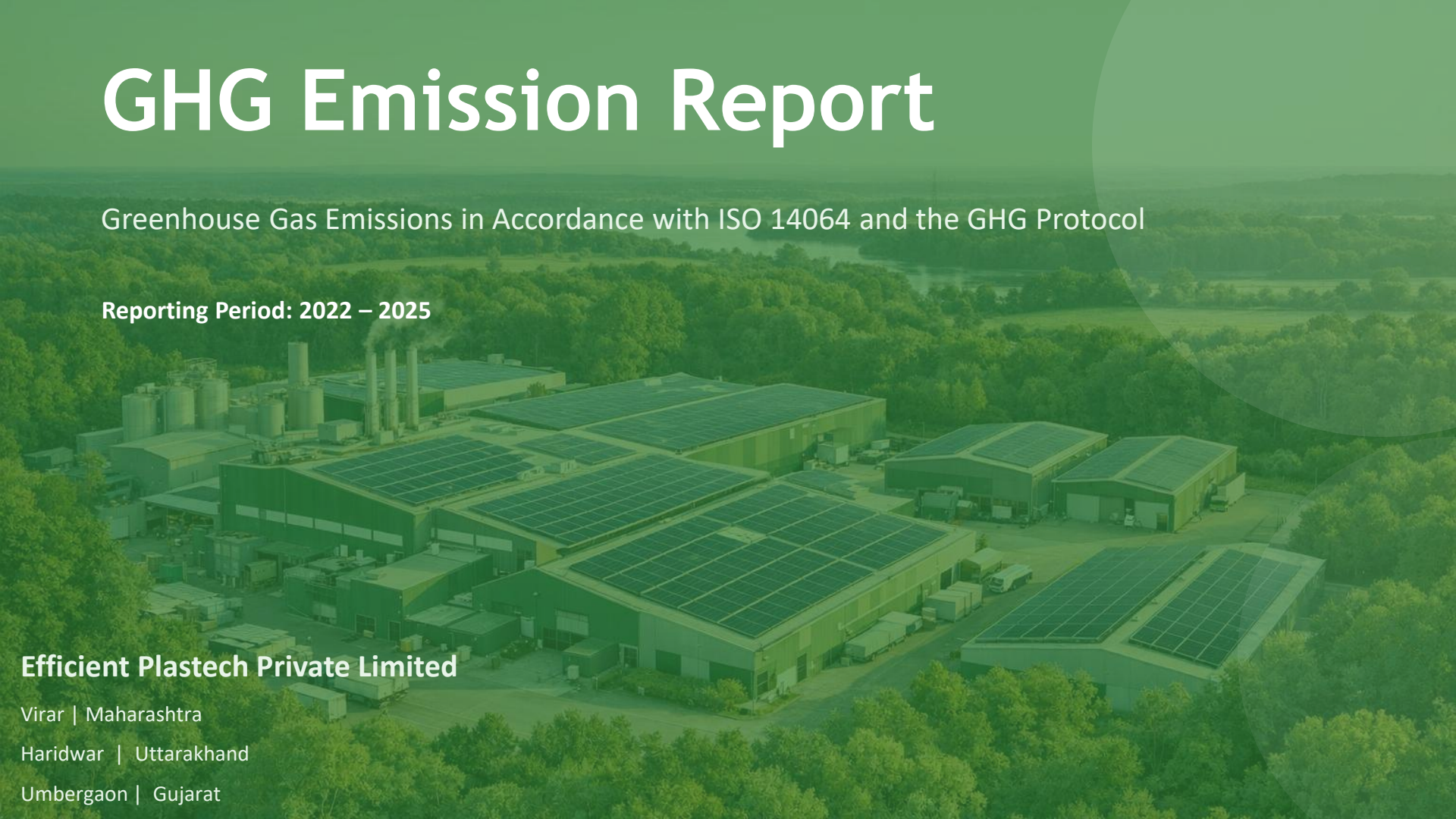
# GHG Emission Report

Greenhouse Gas Emissions in Accordance with ISO 14064 and the GHG Protocol

**Reporting Period: 2022 – 2025**



**Efficient Plastech Private Limited**

Virar | Maharashtra

Haridwar | Uttarakhand

Umbergaon | Gujarat

# Introduction of GHG Emissions

In Accordance with ISO 14064 and the GHG Protocol

### Developing Accurate GHG Inventories

We regularly track and record greenhouse gas emissions across all aspects of our operations, ensuring that our documentation covers all relevant sources for accurate and comprehensive reporting.

### Implementing Emission Reduction Strategies

We identify and implement strategies to reduce greenhouse gas emissions while continuously monitoring and improving our processes to minimize our GHG footprint.

### Transparent Reporting

We prepare comprehensive reports on our greenhouse gas emissions and reduction initiatives in compliance with ISO 14064 and GHG Protocol standards.

### Third-Party Verification

We employ independent third-party experts to review and verify our greenhouse gas data, reflecting our dedication to accuracy, transparency, and accountability.

*Reference used for study: ISO 14064 & Green House Gas Protocol*

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# Locations Covered

Three manufacturing facilities across India

1

## Maharashtra

Plot number 49, HDIL Industrial Park, Virar Ahmedabad Highway Road, Chandansar, Virar East, Taluka - Vasai, District - Palghar, State - Maharashtra – 401305, India

2

## Uttarakhand

Plot number 64, Sector 8A, Sidcul, District - Haridwar, State – Uttarakhand, India

3

## Gujarat

City Survey no. NA. 1615/A, Costal Highway, Village - Daheri Umbergaon, Taluka - Umbergaon, District - Valsad, State – Gujarat, India

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# About GHG Emission Scopes

## Scope 1 — Direct GHG Emission

Emissions from organization-owned sources and on-site combustion are crucial for evaluating and reducing the entity's GHG footprint for the period.

## Scope 2 — Indirect GHG Emission

Indirect emissions from purchased energy are essential for evaluating and reducing an organization's environmental impact for the given period.

## Scope 3 — Other Indirect GHG Emission

Indirect emissions from the entire value chain, encompassing suppliers, customers, influencing sustainability impact during the period.

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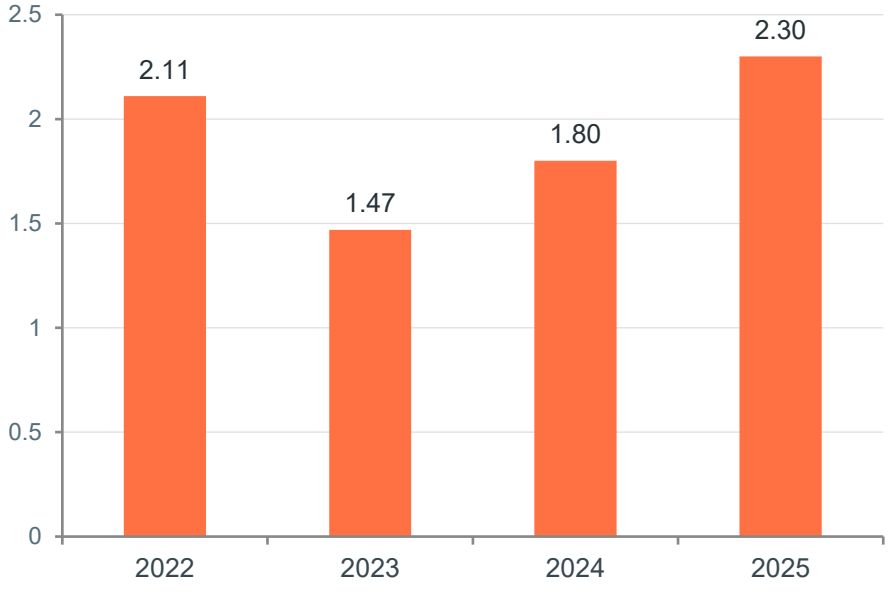
# Scope 1

Direct GHG Emissions

# Scope 1 — Stationary Combustion

Consumption of Liquid Fuels — Diesel | Direct GHG Emissions




| Year | Diesel (Liters) | $tCO_2eq$ |
|---|---|---|
| 2022 | 780.48 | 2.11 |
| 2023 | 552.60 | 1.47 |
| 2024 | 675.52 | 1.80 |
| 2025 | 862.60 | 2.30 |

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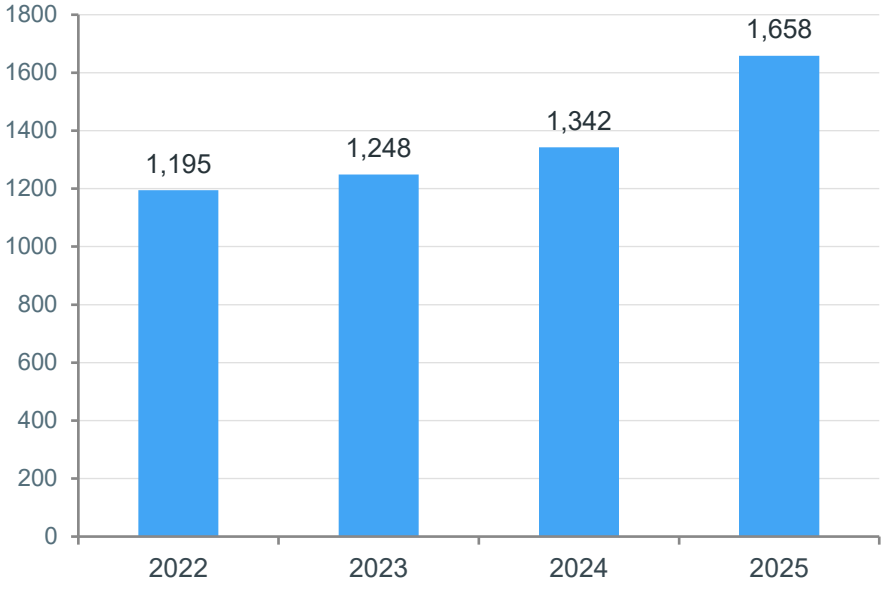
# Scope 2

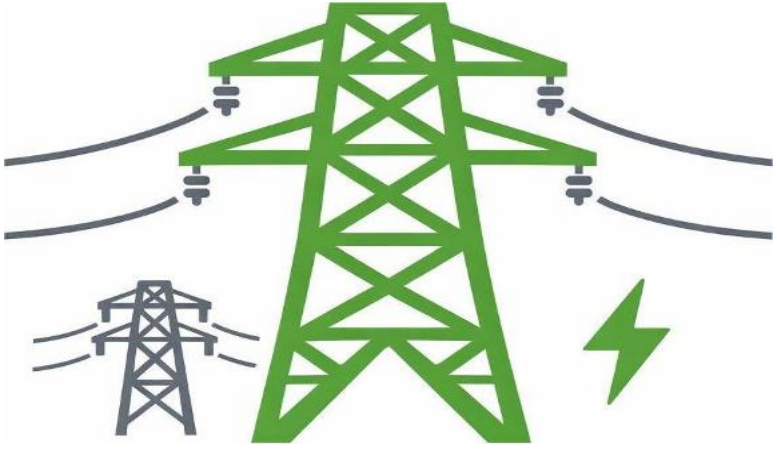
Indirect GHG Emissions

# Scope 2 – Purchased Electricity

Indirect GHG Emissions from Purchased Electricity | $tCO_2eq$




| Year | kWh | $tCO_2eq$ |
|---|---|---|
| 2022 | 16,69,499 | 1,194.98 |
| 2023 | 17,23,635 | 1,248.46 |
| 2024 | 18,68,026 | 1,342.27 |
| 2025 | 23,35,449 | 1,658.17 |



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# Scope 3

Other Indirect GHG Emissions

# Scope 3 — Categories Overview

Nine categories of other indirect GHG emissions across upstream and downstream activities

- **Employee Commute**
- **Downstream Transportation**
- **Purchased Goods**
- **Waste Disposal**
- **Purchased Chemicals**
- **Water Supply**
- **Transmission & Distribution Loss**
- **Business Travel (Air & Land)**
- **Upstream Transportation**
- **Hotel Stay**

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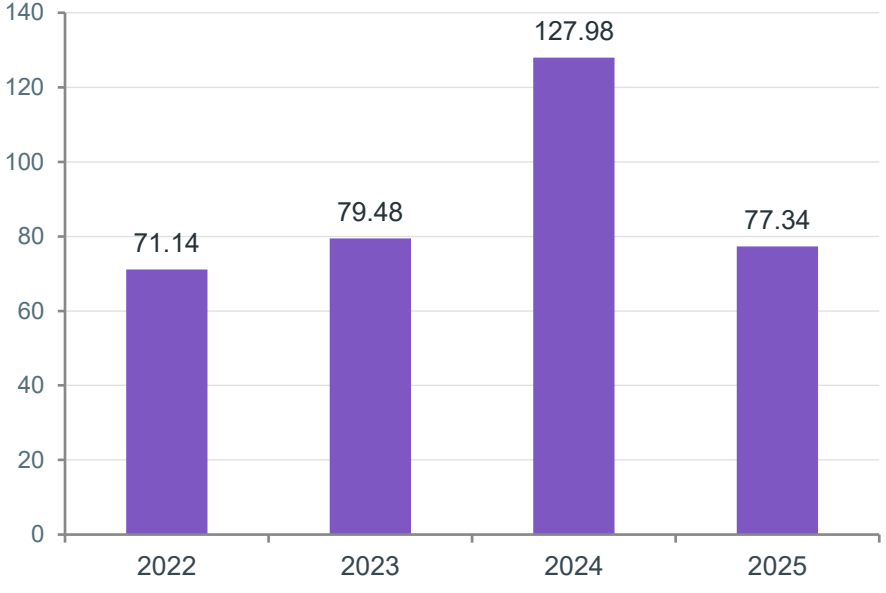
# Employee Commute

Commute by Car, Motorbike, Taxi, Bus & Rail | $tCO_2eq$




| Year | km Travelled | $tCO_2eq$ |
|---|---|---|
| 2022 | 8,29,213 | 71.14 |
| 2023 | 9,73,022 | 79.48 |
| 2024 | 10,04,046 | 127.98 |
| 2025 | 8,74,412 | 77.34 |

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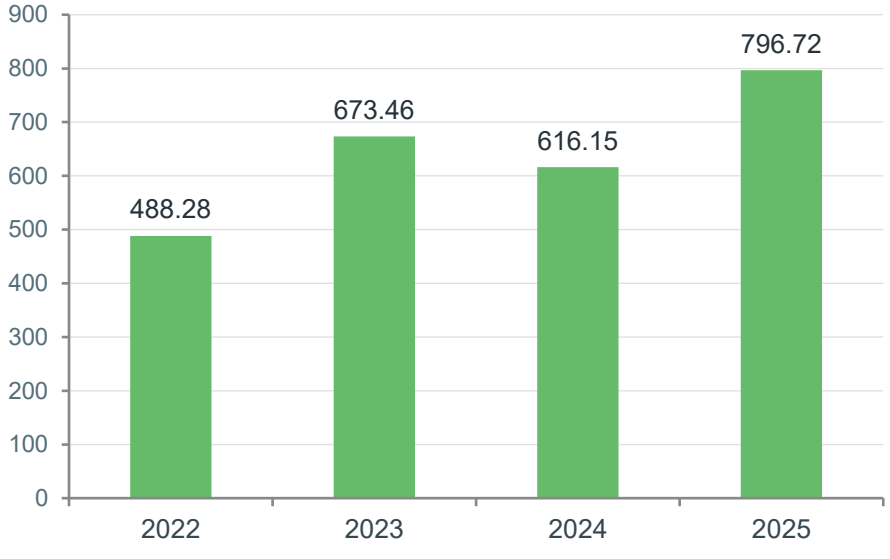
# Purchased Goods

Purchased Electrical Items, Metal, Glass, Plastic & Paper | $tCO_2eq$




| Year | Tonnes | $tCO_2eq$ |
|---|---|---|
| 2022 | 138.56 | 488.28 |
| 2023 | 240.96 | 673.46 |
| 2024 | 267.02 | 616.15 |
| 2025 | 293.09 | 796.72 |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# Purchased Chemicals — Acetone Liquid

Acetone Liquid ($C_3H_6O$) | $tCO_2eq$

| Year | Consumption (kg) | GHG Emission $TCO_2Eq$ |
|---|---|---|
| **2022** | *Data not available* | — |
| **2023** | *Data not available* | — |
| **2024** | 20 | 0.044 |
| **2025** | 30 | 0.066 |

*Emissions from this category remain minimal.*

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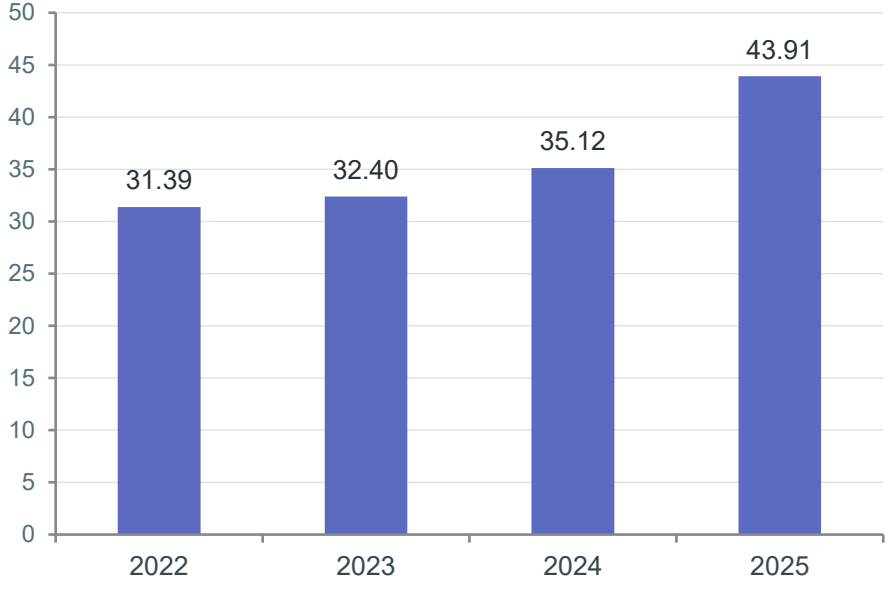
# Transmission & Distribution Loss

Electricity T&D losses from grid | $tCO_2eq$




| Year | kWh | $tCO_2eq$ |
|---|---|---|
| 2022 | 16,69,499 | 31.39 |
| 2023 | 17,23,635 | 32.40 |
| 2024 | 18,68,026 | 35.12 |
| 2025 | 23,35,449 | 43.91 |

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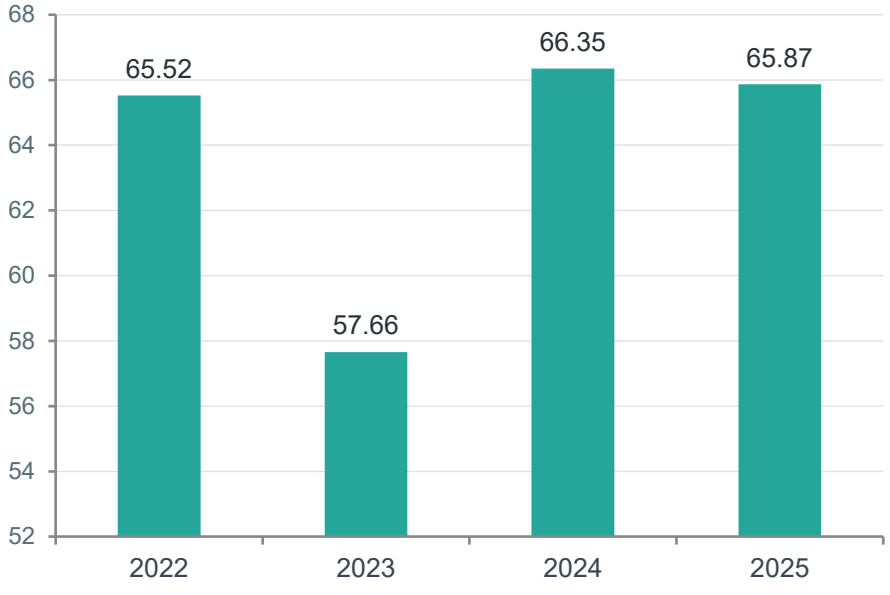
# Upstream Activities — Raw Material Transport

Transportation of Raw Material by Vans & HGVs | $TCO_2Eq$




| Year | km Travelled | $tCO_2eq$ |
|---|---|---|
| 2022 | 1,20,257 | 65.52 |
| 2023 | 1,11,550 | 57.66 |
| 2024 | 1,26,944 | 66.35 |
| 2025 | 1,21,832 | 65.87 |

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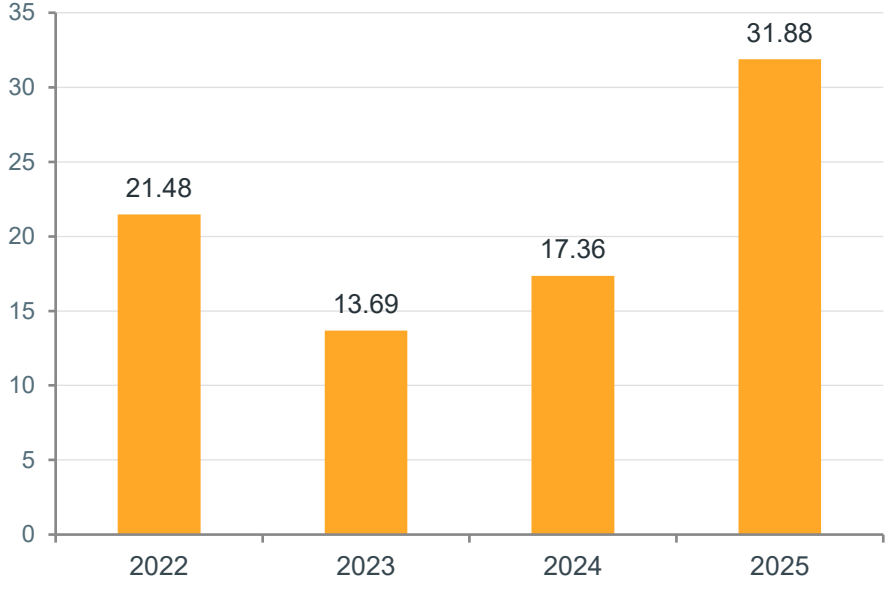
# Downstream Activities – Finished Goods Transport

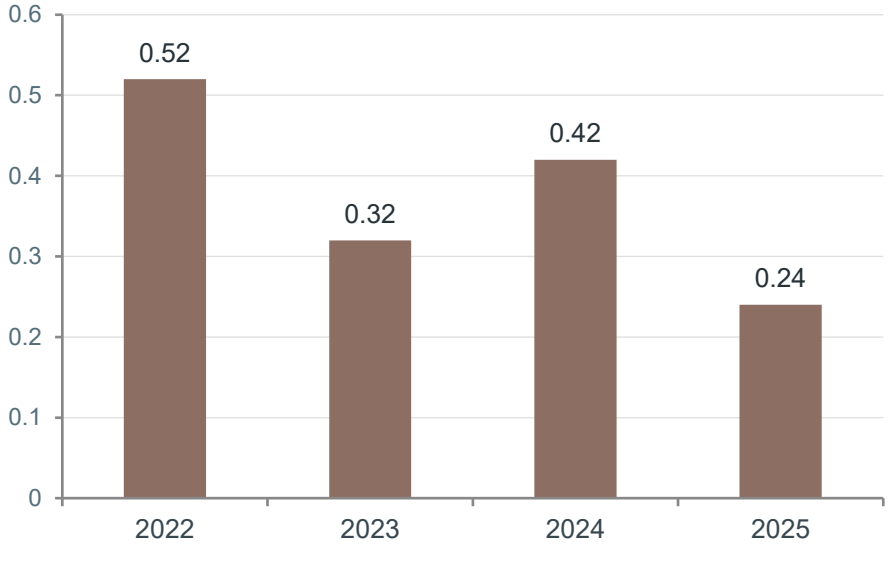
Transportation of Finishing Goods by HGVs | $tCO_2eq$




| Year | km Travelled | $tCO_2eq$ |
|---|---|---|
| 2022 | 43,750 | 21.48 |
| 2023 | 27,883 | 13.69 |
| 2024 | 35,628 | 17.36 |
| 2025 | 61,133 | 31.88 |

# Waste Disposal

Generation of Commercial, Industrial & Plastics Waste | $tCO_2eq$




| Year | Waste (tonne) | $tCO_2eq$ |
|---|---|---|
| 2022 | 24.40 | 0.52 |
| 2023 | 15.20 | 0.32 |
| 2024 | 42.25 | 0.42 |
| 2025 | 35.45 | 0.24 |

**2025 Breakdown by Waste Type**

| | |
|---|---|
| Metal: steel cans | 0.153 |
| Plastics: average rigid | 0.052 |
| Paper and board | 0.033 |
| Commercial/industrial waste | 0.002 |

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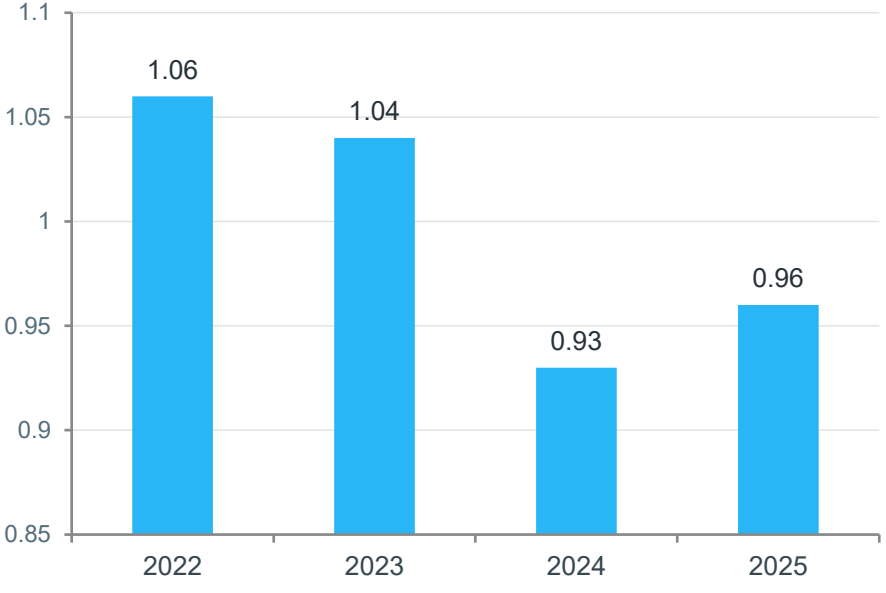
# Water Supply

Water consumption and associated GHG emissions | $tCO_2eq$




| Year | Cubic Meters | $tCO_2eq$ |
|---|---|---|
| 2022 | 7,126.48 | 1.06 |
| 2023 | 5,906.28 | 1.04 |
| 2024 | 6,101.55 | 0.93 |
| 2025 | 5,750.07 | 0.96 |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# Business Travel

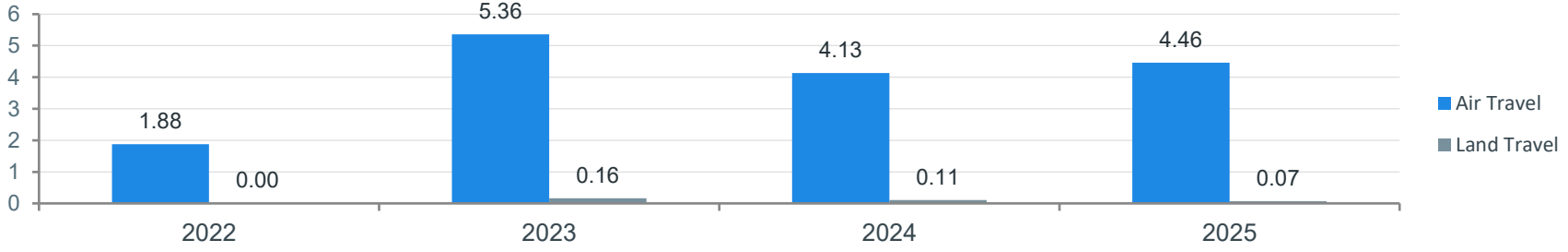
Air Travel (Flights) and Land Travel (Car, Rail & Bus) | $tCO_2eq$

## Air Travel

| Year | km Travelled | $tCO_2eq$ |
|---|---|---|
| 2022 | 9,790 | 1.88 |
| 2023 | 23,379 | 5.36 |
| 2024 | 14,398 | 4.13 |
| 2025 | 18,830 | 4.46 |

## Land Travel

| Year | km Travelled | $tCO_2eq$ |
|---|---|---|
| 2022 | — | *COVID-19 period* |
| 2023 | 981 | 0.16 |
| 2024 | 668 | 0.11 |
| 2025 | 442 | 0.07 |




*No land travel in 2022 due to COVID-19.*

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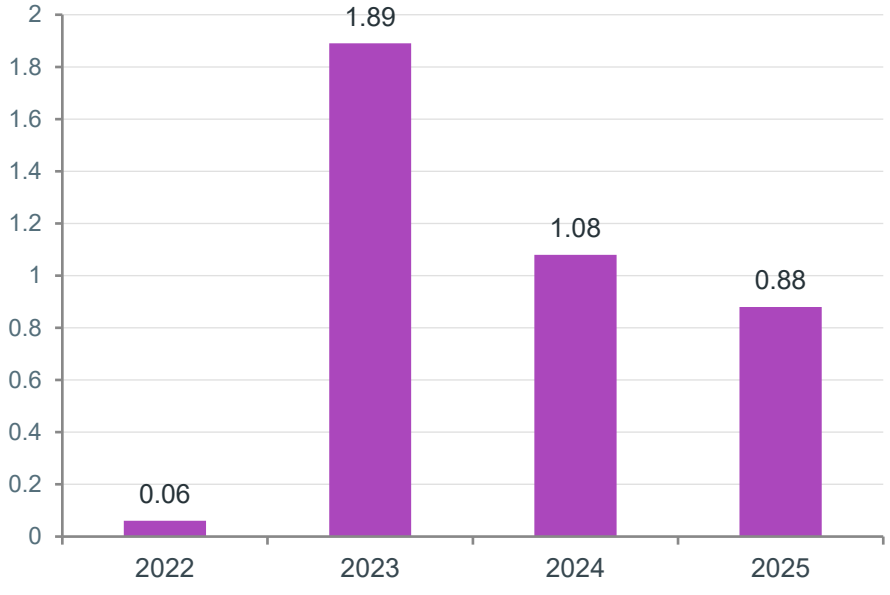
# Hotel Stay

Accommodation emissions from business travel | $tCO_2eq$




| Year | Nights Stayed | $tCO_2eq$ |
|---|---|---|
| 2022 | 1 | 0.06 |
| 2023 | 33 | 1.89 |
| 2024 | 18 | 1.08 |
| 2025 | 15 | 0.88 |

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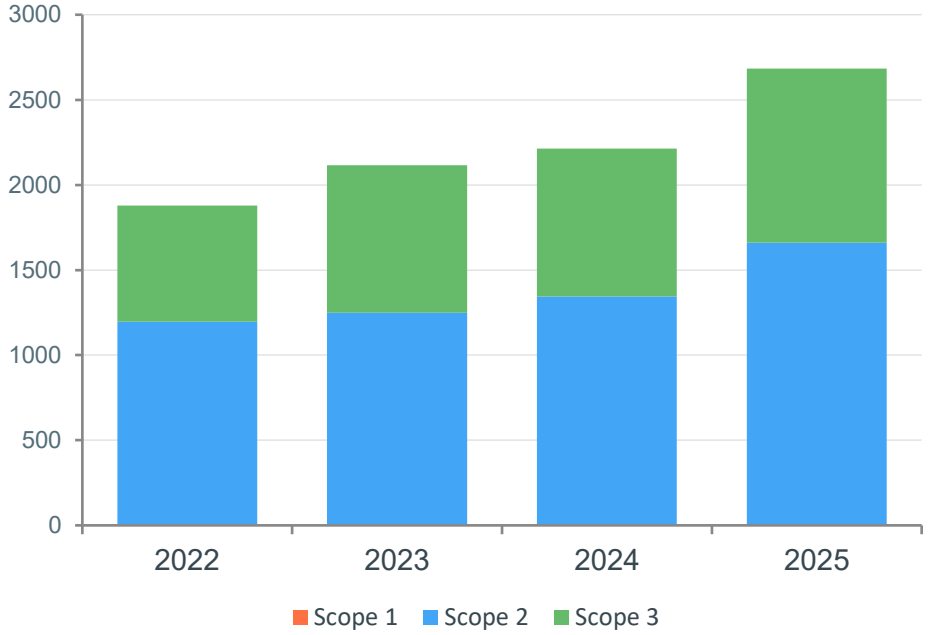
# Total Group Level GHG Emission

Combined Scope 1, 2 & 3 emissions | 2022 – 2025 | $tCO_2eq$




**2022** **1,878.42 $tCO_2eq$**

S1: 2.11 S2: 1,194.98 S3: 681.33

**2023** **2,115.39 $tCO_2eq$**

S1: 1.47 S2: 1,248.46 S3: 865.46

**2024** **2,213.75 $tCO_2eq$**

S1: 1.80 S2: 1,342.27 S3: 869.68

**2025** **2,682.87 $tCO_2eq$**

S1: 2.30 S2: 1,658.17 S3: 1,022.40

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# Committed to Sustainability

Efficient Plastech Private Limited continues to measure, report, and reduce greenhouse gas emissions across all operations in alignment with ISO 14064 and GHG Protocol.