Year 2023

GHG emissions report

Gold Creek Foods LLC.

Foreword

Congratulations on pursuing your climate journey. Greenly is proud to contribute to Gold Creek Foods LLC's climate strategy, and support you on a path towards Net Zero.

This report synthesizes the results of your greenhouse gas (GHG) emissions assessment. It is a first step toward identifying reduction actions and helping you plan for the energy transition.

While offering some benchmarks to compare with other companies, a GHG emissions assessment is mainly used to identify ways to improve your global impact and to help you define a reduction trajectory. Achieving your decarbonization targets involves engaging your ecosystem of employees, customers and suppliers who will need to align with your new targets.

The evaluation of your emissions is in line with carbon accounting international standards as standardized by the GHG Protocol.

We are happy to support you on your journey. The entire Greenly team would like to thank you for your outstanding commitment.

Alexis Normand

CEO of Greenly

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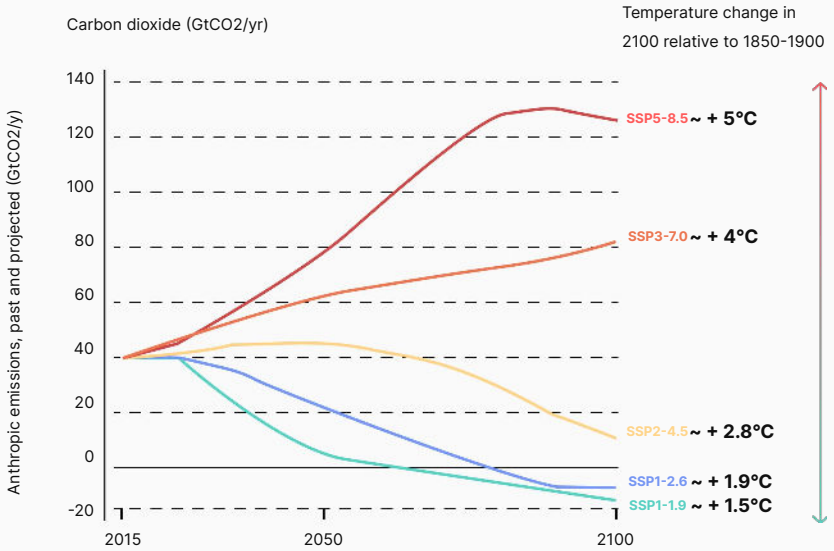
Why care about the energy transition

Regardless of our management of the environmental crisis, organizations and individuals are heading towards major upheavals that will affect entire ecosystems.



Source: Carbone 4

Two types of disruptions

- Physical risks and constraints
- Transition risks and opportunities

Impacted sectors

- Production
- Supply chain
- Market
- Infrastructure
- HR
- Legislation

Physical risks…

Definition

Risks related to exposure to the physical consequences of global warming

- Average temperature increase and more extreme fluctuation
- Intensification of extreme weather events (rain, heat waves/droughts, etc.)
- Sea level rise
- Scarcity of resources (especially energy), food and water insecurity
- Biodiversity collapse

What are the consequences if I don't commit?

1. Deterioration of infrastructure, value chain losses
2. Direct economic consequences
3. Low resilience to future events and physical constraints (e.g. natural disaster)
4. Dependence on an increasingly fragile supply chain (availability and cost of resources, flexibility, fluctuation of fossil fuels)
5. Disruptions in living conditions (housing, food, health, transport, etc.)

Transition risks (and opportunities)

Definition

Risks related to the transition to a low-carbon economy

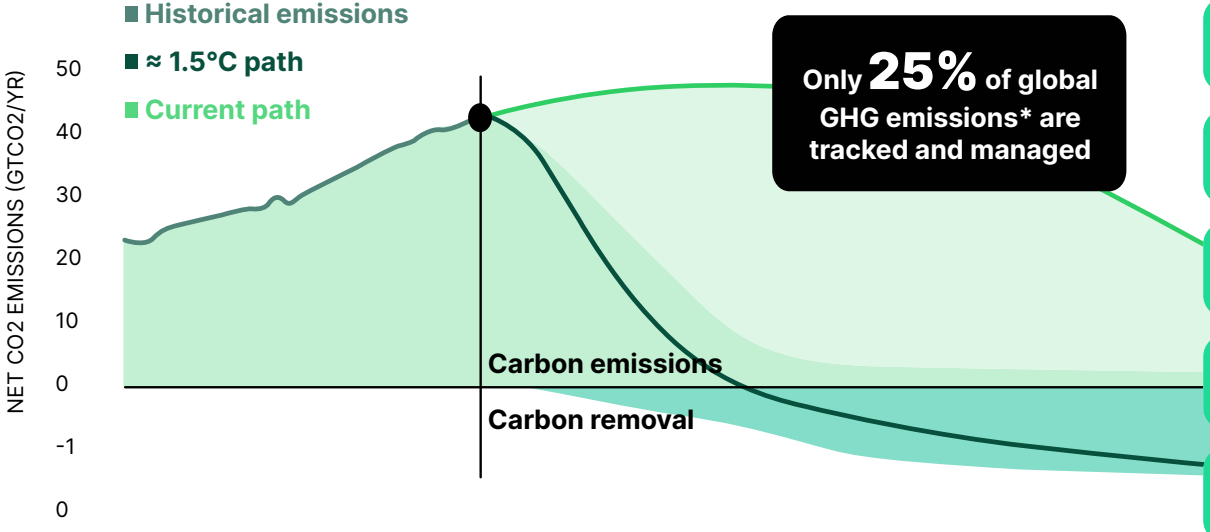
- Regulatory developments and mitigation policies
- Markets and sectors migrating towards promoting low-carbon value creation:
  Opportunities to seize
  Associated market risks
- Growing stakeholder demands on environmental commitments
- Shifting employee mindsets and expectations regarding the environmental reputation of their employer

What are the opportunities if I commit?

1. Optimization of flows and costs
2. More sustainable business activity and corporate strategy
3. Increased competitiveness within my ecosystem
4. Resilience and autonomy of activities in the face of the new socio-economic paradigm
5. Lower exposure to legal and financial constraints and sanctions

It is critical to set a course for Net Zero

REACHING PLANETARY DECARBONIZATION GOALS IMPLIES THAT ALL BUSINESSES TRACK THEIR EMISSIONS, REGULATIONS ARE KICKING IN



Applicable Regulations

- **EU Emissions Trading System** 2005
- **SECR** 2019
- **SFDR & Taxonomy** 2022
- **NFRD & CSRD** Jan. 2024
- **SEC Disclosure Regulation** Jan. 2024

Source: *Carbon Pricing Leadership Report

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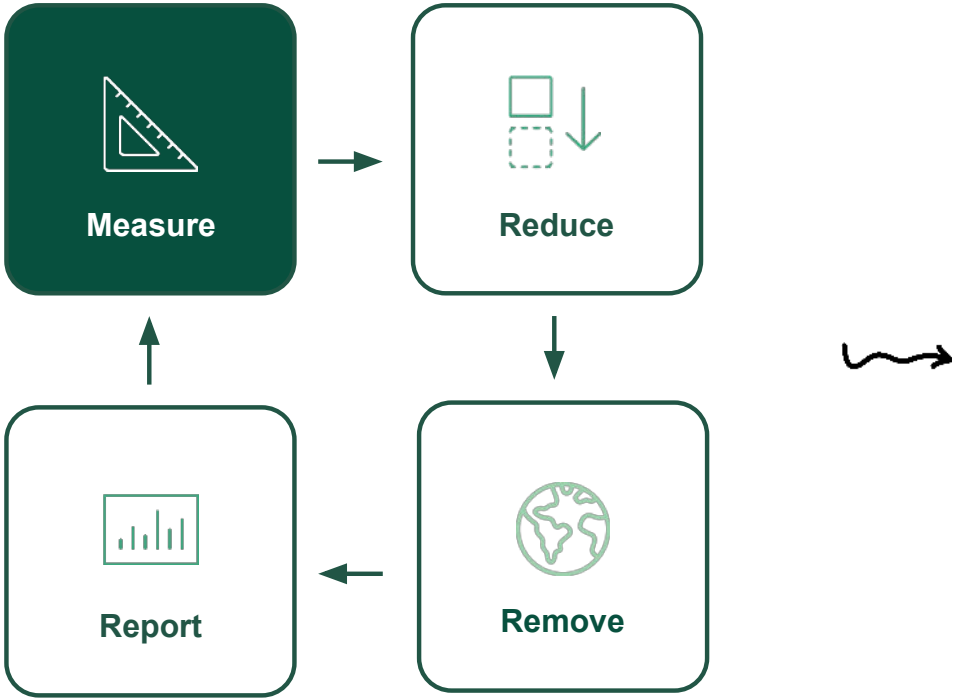
Solving the Climate Equation

MEASURING EMISSIONS IS THE FIRST STEP TO SETTING A PATH TOWARDS NET ZERO



Carbon accounting methodology

Scope 1 | Direct emissions

GHG emissions generated directly by the organization and its activities.

Examples: combustion of fossil fuels, refrigerant leaks, etc.

Scope 2 | Indirect emissions related to energy consumption

Emissions related to the organization's consumption of electricity, heat or steam.

Example: electricity consumption, etc.

Scope 3 | Other indirect emissions

Emissions related to the organization's upstream and downstream operations and activities

Example: transportation, purchased goods and services, sold products, etc.

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How are emissions computed?

ANALYZING EMISSIONS, AUTOMATING TRACKING

Expense based

Increasing Accuracy*

Activity based

Activity metrics x Emissions factors = CO2 Eq. Emissions

Total Expense 80 dollars	1.75 kgCO2e/$	140 kgCO2e
Total Distance 700 miles	0.2 kgCO2e/mile	140 kgCO2e
Total Fuel 50 gallons	2.8 kgCO2e/gallon	140 kgCO2e

Emission Factor Sources

ADEME, CDP, IEA International Energy Agency, eurostat, AGRIBALYSE, defra, exiobase, Fraunhofer, European Commission JOINT RESEARCH CENTRE, Department for Business, Energy & Industrial Strategy

*depending on the availability of data

Methodological reference: ADEME note on the use of accounting data for the GHG Accounting

GHG emissions assessment scopes

Temporal scope
Year 2023

Measurement scope
All emissions under operational control

Scope 1
Scope 2
Scope 3

Exclusions: Downstream transportation and distribution, use of sold products

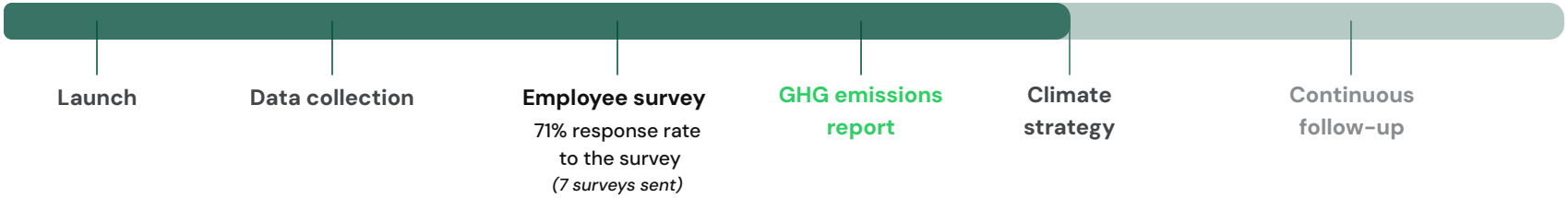
Primary data
Accounting files
Employee survey
Activity data for some key emission sources - energy consumption, waste, machine inventory, food purchases

Methodology
Official and approved GHG Protocol methodology ; GWP 100

The methodological details of the calculation of each carbon footprint source are available on the Greenly platform

Executive summary

This report summarizes the results of Gold Creek Foods LLC's 2023 GHG emissions assessment based on the information collected and subject to its completeness, correct categorization and validation. **This assessment is useful in identifying the main areas for mitigating your environmental impact.**



GHG emission assessment result

Scope 1 & 2	18.8 ktCO2e	4.7t/employee	19t/M$
Scope 3	1.9 MtCO2e	461t/employee	1.9kt/M$
Total	**1.9 MtCO2e**	**470t/employee**	**1.9kt/M$**

Sector Benchmark

Processed food products

167tCO2e/employee

Scope 1, 2 & 3

Based on 17 companies in the sector

Results subject to the correct categorization and validation of expenses of Gold Creek Foods LLC - categorization score of 100% on this report

Emissions Report

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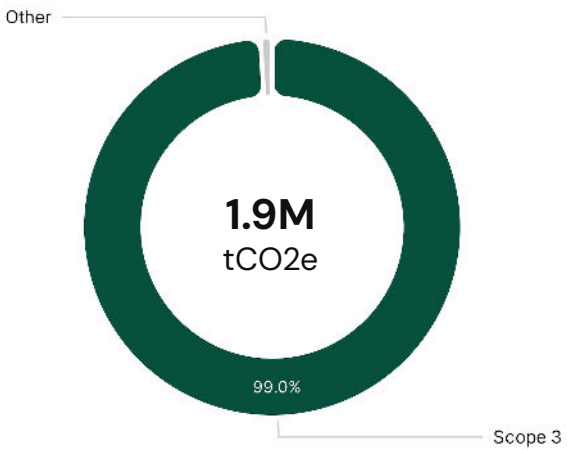
General overview

RESULTS BY SCOPE

Total emissions of Gold Creek Foods LLC, by scope (% tCO2e)



	Gold Creek Foods LLC tCO2e/employee	Potential for reduction
Scope 1	< 0.1	
Scope 2	4.6	
Scope 3	461	

1.9MtCO2e is equivalent to

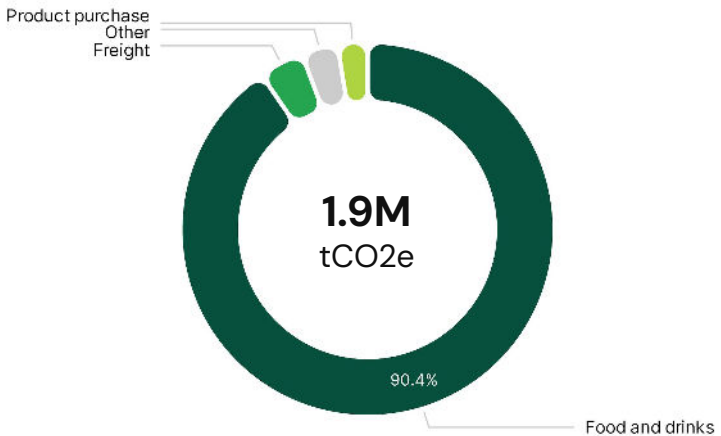
1. **1.1M Paris - New York round trips***
2. The annual emissions of **82.5k Americans***
3. The amount of CO2 sequestered annually by **69.8k acres of growing forest***

*Sources: Labos1Point5, ExioBase, French National Forests Office

General overview

RESULTS BY ACTIVITY

Total emissions of Gold Creek Foods LLC,
by activity (% tCO2e)



	Gold Creek Foods LLC tCO2e	Per employee tCO2e/employee
Food and drinks	1.7M	425
Freight	73.4k	19
Product purchase	48.8k	13
Energy	35.2k	8.7
Waste	17.7k	4.4
Services purchase	3.8k	0.9
Others*	2.8k	0.7

** Travel and Commute, Assets, Digital, Activities and events*

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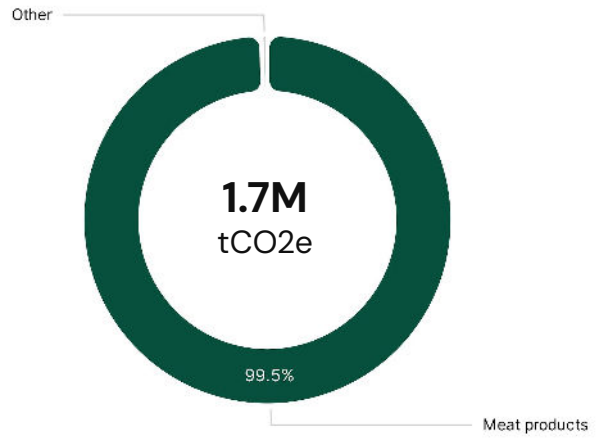
Focus on Food and drinks

Food and drinks emissions by category
(% tCO2e)



91% of total

What is included in this category ?

CO2 emissions from food and drinks are those linked to the production, processing, transportation, and consumption of food and beverages purchased by the company.

This category covers emissions resulting from activities like agricultural practices, livestock production, food processing, and packaging. It includes both direct emissions from agricultural activities and indirect emissions from the energy used in food production and transportation.

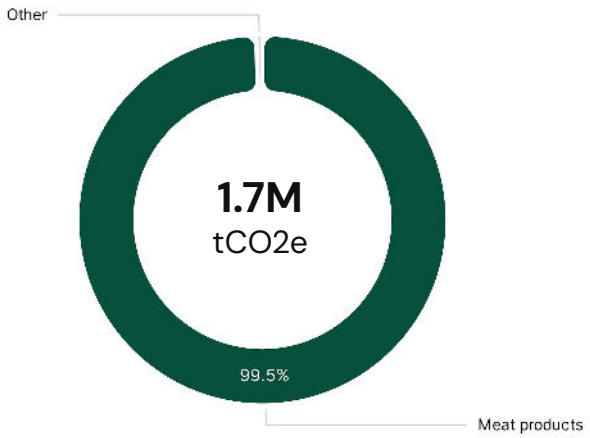
The emissions from food and drinks can vary based on factors such as the type of food, farming methods employed, transportation distance, and the management of food waste.

Methodology

1. Emissions calculated using a monetary approach, by multiplying the price by a monetary emission factor (kgCO2e/$).
2. Monetary emissions factors (kgCO2e/$) are based on EPA/ADEME's Carbon Base and the Agribalyse database.
3. The specific steps involved in calculating the carbon footprint for each source can be found in the methodological details provided on the Greenly platform.

Focus on Food and drinks

Food and drinks emissions by category
(% tCO2e)



91% of total

How can we reduce the impact of this category?

To minimize the impact of food within your company, it's essential to adopt a holistic approach that encompasses several key actions.

First and foremost, consider reducing your consumption of animal products by promoting plant-based meals and limiting meat and dairy products. This measure can significantly reduce the GHG emissions linked to livestock farming.

Next, raise employee awareness of the carbon impact of various foods by organizing information sessions and providing educational resources, emphasizing the benefits of vegetarian diets and low-carbon alternatives.

Finally, prioritize the use of local and seasonal ingredients when preparing meals within the company. This will reduce emissions linked to food transport while supporting local producers.

Methodology

1. Emissions calculated using a monetary approach, by multiplying the price by a monetary emission factor (kgCO2e/$).
2. Monetary emissions factors (kgCO2e/$) are based on EPA/ADEME's Carbon Base and the Agribalyse database.
3. The specific steps involved in calculating the carbon footprint for each source can be found in the methodological details provided on the Greenly platform.

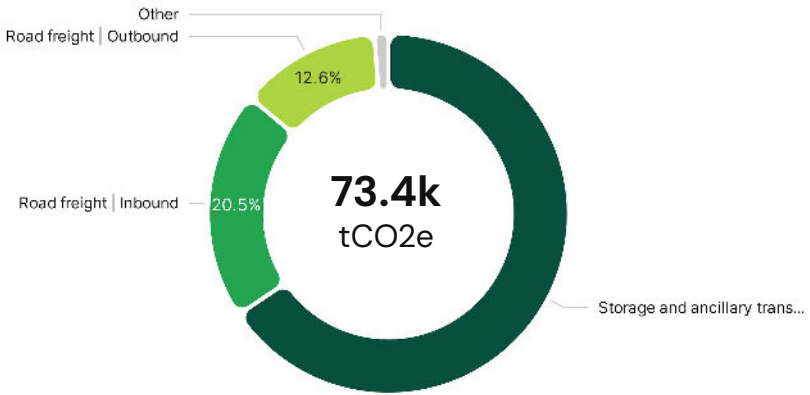
Focus on Food and drinks : 1 actions already put in place

Title	Initial Situation	Final Situation	Status
Reduce food and packaging waste	Had original lot coding for products.	Changed from a date only system on some products to a "Use By" format adding 10+ days to the package date reducing emissions by customers and end users by 131 mtCO2e per year. (*calculations done by Gold Creek Foods*)	Already put in place

See all actions here

Focus on Freight

Freight emissions by category
(% tCO2e)



3.9% of total

What is included in this category ?

CO2 emissions from freight relate to the carbon dioxide emissions associated with the transportation of goods and merchandise. This category includes emissions resulting from activities such as shipping, trucking, rail transport, and air cargo.

It encompasses both domestic and international freight transport and includes emissions from the combustion of fuels used in transportation, as well as emissions from the production and distribution of those fuels.

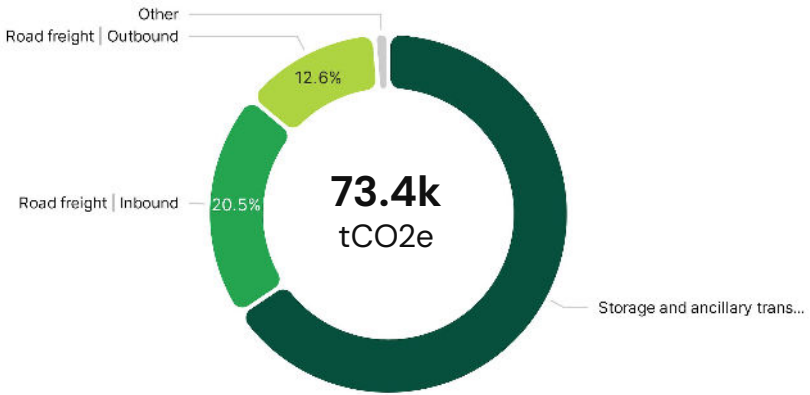
The emissions from freight can vary depending on factors such as the distance traveled, the mode of transport used, and the energy efficiency of freight vehicles.

Methodology

1. Emissions calculated using a monetary approach, by multiplying the price by a monetary emission factor (kgCO2e/$).
2. The monetary emission factors (kgCO2e/$) are based on EPA/ADEME's Carbon Base.
3. The specific steps involved in calculating the carbon footprint for each source can be found in the methodological details provided on the Greenly platform.

Focus on Freight

Freight emissions by category
(% tCO2e)



3.9% of total

How can we reduce the impact of this category?

To reduce the carbon footprint associated with freight, it's essential to take a proactive approach. It is advisable to optimize shipment planning by consolidating shipments to minimize the number of journeys. Additionally, prioritizing rail or sea transport whenever possible, generally could lead to a lower carbon footprint than road or air transport.

Another recommendation is to invest in greener vehicles that run on cleaner fuels or consider electric and hybrid alternatives. This step can significantly cut emissions from your operations.

Consider adopting a reverse logistics policy to minimize unnecessary returns and optimize management of freight waste. Finally, regularly monitor and measure your carbon emissions to identify opportunities for continuous improvement in your supply chain.

Methodology

1. Emissions calculated using a monetary approach, by multiplying the price by a monetary emission factor (kgCO2e/$).
2. The monetary emission factors (kgCO2e/$) are based on EPA/ADEME's Carbon Base.
3. The specific steps involved in calculating the carbon footprint for each source can be found in the methodological details provided on the Greenly platform.

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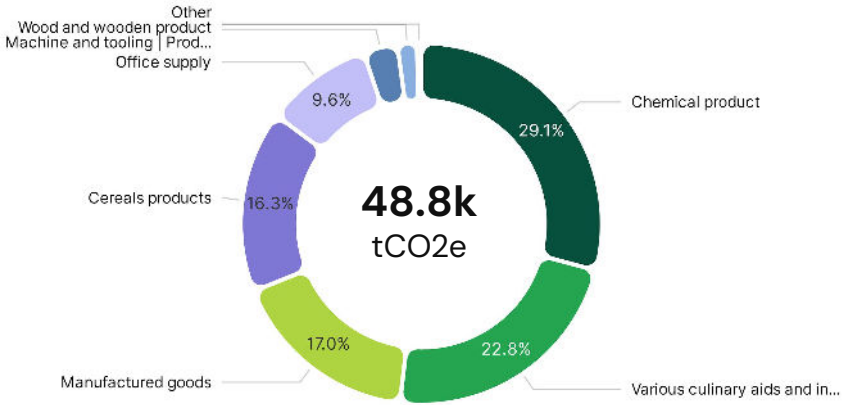
Focus on Freight : 1 actions already put in place

Title	Initial Situation	Final Situation	Status
Optimization of urban goods transport	Gold Creek had less than optimal truck load utilization.	We have reduced 65520 miles of conventional heavy bulk truck transportation due to better load utilization. This reduced emissions by 131.00 mtCO2 per year. (*calculations done by Gold Creek Foods*)	Already put in place

See all actions here

Focus on Product purchase

Product purchase emissions by category
(% tCO2e)



2.6% of total

What is included in this category ?

CO2 emissions from product purchases refer to those associated with the extraction of raw materials and manufacturing processes of products bought by the company.
Other emissions associated with these products, such as transportation and disposal, can generally be found in 'Freight' and 'Waste' categories, respectively.

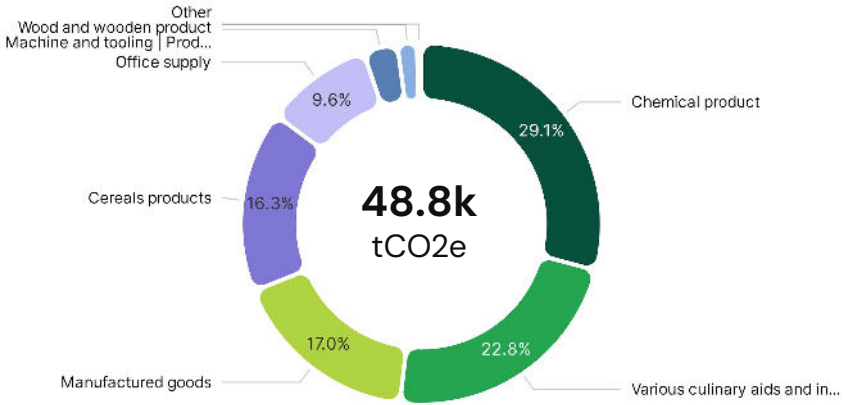
The emissions associated with product purchases vary depending on the type of product (materials, complexity, etc.), and its production methods (notably, carbon intensity of energy used).

Methodology

1. Emissions calculated using a monetary approach, by multiplying the price by a monetary emission factor (kgCO2e/$).
2. Monetary emissions factors (kgCO2e/$) consist of three types: average carbon intensity per unit of revenue of a group of companies for the concerned sector activity; carbon intensity per unit of revenue for the concerned sector activity (EPA/ADEME's monetary emissions factors); monetary emissions factors derived from studies conducted by Greenly.
3. The specific steps involved in calculating the carbon footprint for each source can be found in the methodological details provided on the Greenly platform.

Focus on Product purchase

Product purchase emissions by category
(% tCO2e)



2.6% of total

How can we reduce the impact of this category?

Emissions from product purchases are closely tied to your supply chain. To effectively manage them, it's crucial to collaborate with your suppliers. To begin, it's essential to conduct a comprehensive assessment.

Greenly's Supplier Engagement solution can help you gain an accurate picture of your supply chain carbon footprint, and involve your suppliers in developing emission reduction strategies.

You can then integrate environmental criteria into your purchasing policy, encouraging your suppliers to adopt more sustainable practices. This can include requesting carbon audits and reduction action plans. Additionally, Life Cycle Assessment (LCA) can be a valuable tool for assessing and reducing the emissions associated with product purchases, by identifying the phases that emit the most GHGs, allowing you to focus your reduction efforts on these critical points.

Methodology

1. Emissions calculated using a monetary approach, by multiplying the price by a monetary emission factor (kgCO2e/$).
2. Monetary emissions factors (kgCO2e/$) consist of three types: average carbon intensity per unit of revenue of a group of companies for the concerned sector activity; carbon intensity per unit of revenue for the concerned sector activity (EPA/ADEME's monetary emissions factors); monetary emissions factors derived from studies conducted by Greenly.
3. The specific steps involved in calculating the carbon footprint for each source can be found in the methodological details provided on the Greenly platform.

Focus on Product purchase : 1 actions already put in place

Title	Initial Situation	Final Situation	Status
Optimize use of materials & reduce offcuts	Had original packaging materials.	Recycle corregated containers and mixed plastics to reduce emissions by 11568.20 mtCO2e per year. (*calculations done by Gold Creek Foods*)	Already put in place

See all actions here

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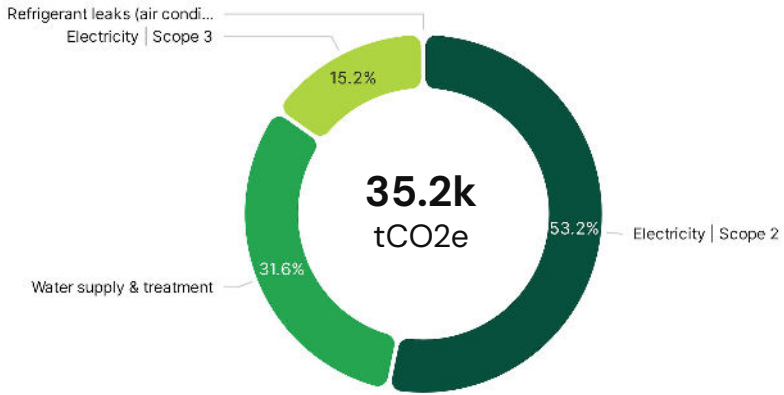
Focus on Energy

Energy emissions by category
(% tCO2e)



1.9% of total

What is included in this category ?

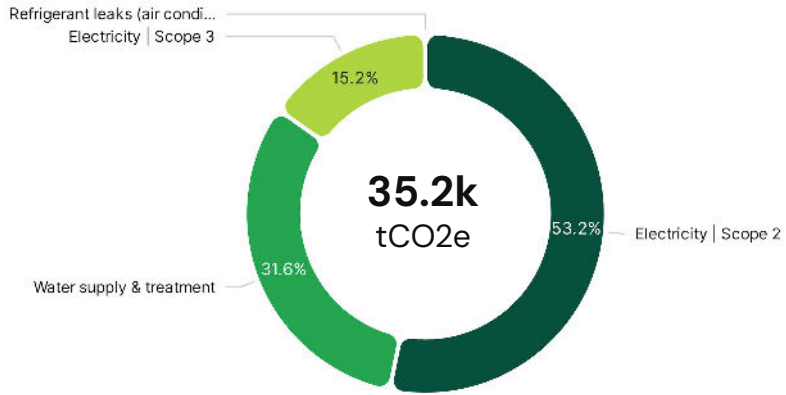
CO2 emissions from energy are those tied to the production and utilization of energy, encompassing electricity, heat, and fuel. This category covers emissions arising from activities like the extraction, processing, and combustion of fossil fuels, as well as emissions from renewable energy sources.
The emissions from energy can differ based on factors such as the type of energy source used, the efficiency of energy consumption, and the carbon intensity of the electricity grid.

Methodology

1. Emissions are calculated using a physical approach if data is available; using a monetary approach if invoices appear in the transactions, by multiplying the price by a monetary emission factor (kgCO2e/$); or by default via an average consumption in companies (CEREN data).
2. The carbon intensities of different energy sources are collected from EPA/ADEME. For electricity, the country's grid carbon intensity is used (location-based accounting). Average prices are taken from Eurostat or government data.
3. The specific steps involved in calculating the carbon footprint for each source can be found in the methodological details provided on the Greenly platform

Focus on Energy

Energy emissions by category
(% tCO2e)



1.9% of total

How can we reduce the impact of this category?

To reduce emissions stemming from energy, there are several key measures you can take. Consider establishing energy monitoring and management practices that enable you to identify areas for improvement and track your progress in reducing carbon impact.

Focus on optimizing the energy efficiency of your buildings. This can be achieved by enhancing insulation, upgrading heating and cooling systems to more efficient models, and transitioning to low-energy LED lighting.

Explore opportunities for improved energy efficiency in your production processes and equipment. If you operate in a region with carbon constraints on electricity generation, prioritize the adoption of renewable energy sources to power your operations whenever feasible. Additionally, consider implementing cogeneration systems to maximize the utilization of waste heat.

Methodology

1. Emissions are calculated using a physical approach if data is available; using a monetary approach if invoices appear in the transactions, by multiplying the price by a monetary emission factor (kgCO2e/$); or by default via an average consumption in companies (CEREN data).
2. The carbon intensities of different energy sources are collected from EPA/ADEME. For electricity, the country's grid carbon intensity is used (location-based accounting). Average prices are taken from Eurostat or government data.
3. The specific steps involved in calculating the carbon footprint for each source can be found in the methodological details provided on the Greenly platform

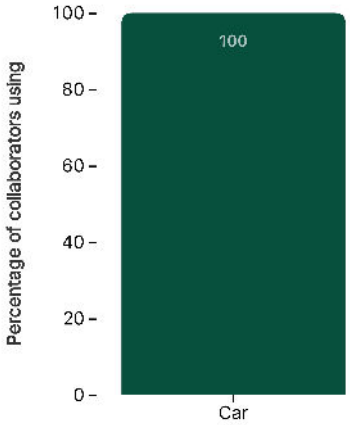
Focus on Energy : 1 actions already put in place

Title	Initial Situation	Final Situation	Status
Implement an energy efficiency program	Older motors and drives were in place.	Newer more efficient motors and drives were installed with a calculated emissions reduction of 96.70 mtCO2e per year. (*calculations done by Gold Creek Foods*)	Already put in place

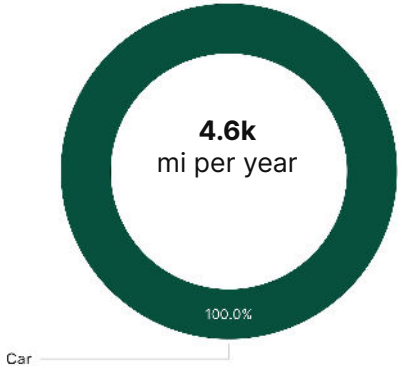
See all actions here

Focus on Employee Commute

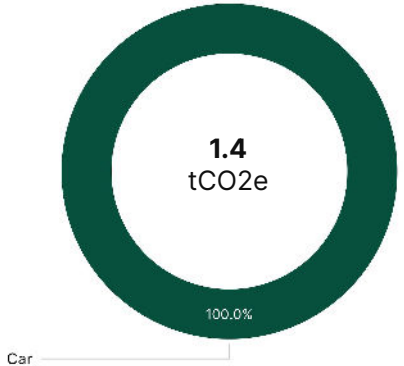
Distribution of users
by means of transports



Yearly mean distance distribution



GHG emissions
(tCO2e / collaborator)



On average, your employees travel 4.6k kilometers each year, emitting 1.4 tCO2e for home-work commuting.

Methodology

Physical consumption data is based on the employee survey, which got a 71% response from your employees (5 responses).
The data used to calculate commute-related emissions are from the French Agency for Ecological Transition (ADEME).
More details on the employees page of Greenly

Focus on Action Plans

Food and drinks

Favor ingredients stemming from alternative agriculture methods

FOOD AND DRINKS

Agriculture contributes 31% of human-caused GHG emissions globally, primarily from nitrous oxide released by fertilizers, fossil fuel-powered machines, and soil biodiversity loss. Modifying agricultural practices can reduce this impact and enable carbon storage in the soil. Intensive conventional methods emit the most and absorb the least. Sustainable practices like reduced tillage, conservation agriculture, organic farming, and agroforestry are more efficient in reducing emissions and absorbing GHGs.

Medium Impact

Medium term

Benchmark

patagonia PROVISIONS

Patagonia Provisions is invested in producing sustainable and regeneratively sourced food products. They prioritize organic ingredients, support regenerative farming practices, and work with farmers and producers who adhere to high environmental and ethical standards.

Estimated Impact

Reduced emissions by 20 - 50% thanks to conservation agriculture.
The benefits of organic agriculture primarily lie in increased carbon storage rather than reduced emissions. Certain organic practices may even result in higher emissions compared to intensive conventional practices. However, the overall impact on carbon storage is still substantial.

Estimated Cost

Conservation agriculture offers relatively high economic rentability (80 to 90% as efficient as conventional agriculture), the impact on prices can be estimated to be in this range. Organic farming suffers a priori from a yield deficit compared to conventional farming of 8 to 25%, the impact on prices can be estimated to be in this range. These two practices can be cumulated.

Recommended Service Providers

Scout your local farmers markets or rely on delivery options :

Misfits Market

Farmer Jones Farm

Hungry Harvest

Oddbox

Farmtopeople

Implementation

1. **EVALUATE** your current food supply chain to identify areas where organic or alternative agriculture ingredients can be incorporated.
2. **ESTABLISH** clear guidelines and policies that prioritize sourcing organic ingredients or alternative agriculture ingredients.
3. **ESTABLISH** and start monitoring your KPIs (ex. percentage of organic agriculture ingredients in total ingredients, percentage of CA ingredients in total ingredients).

Useful Links & Sources: **https://news.un.org/en/story/2021/11/1105172** https://climate-adapt.eea.europa.eu/en/metadata/adaptation-options/conservation-agriculture

Freight

Select local suppliers

FREIGHT - Product purchase

By sourcing from local suppliers, the transportation distance for goods is typically shorter, reducing carbon emissions associated with transportation. In addition, collaborating with local suppliers often offers better visibility and control over the supply chain and better communication. It becomes easier to ensure compliance with environmental regulations (ex. Implementing a sustainable purchasing policy).

Medium Impact

Long term

Benchmark

Danone prioritizes local sourcing, obtaining over 90% of fresh milk and more than 50% of plant-based ingredients within the country of product sales. They are actively expanding local sourcing, particularly for plant-based items, fruits & vegetables, and ingredients like sugar beet. This approach not only reduces carbon impact but also enhances transparency by informing consumers about the origins, producers, and manufacturing processes of their ingredients.

Estimated Impact

The carbon impact associated with freight varies depending on the distance and freight mode used by current suppliers compared to target suppliers.
Sourcing locally may have an additional environmental impact beyond delivery. Different countries have varying levels of environmental regulations. Opting for local suppliers may enable adherence to more stringent environmental standards, positively influencing the way the product is produced. This can lead to reduced emissions and a lower overall environmental footprint.

Estimated Cost

When implementing this action, keep an eye on the potential price differences in goods, and the reduction of delivery costs.

Implementation

1. **ESTABLISH** and start monitoring your KPIs (ex. percentage of local suppliers in your procurement portfolio, percentage reduction in transportation emissions).
2. **CONDUCT** an assessment of your current supplier network and evaluate the feasibility of sourcing locally for different categories of goods.
3. **START** collaboration with local suppliers.

Replace your thermal truck freight by other sustainable road options

FREIGHT - road freight

Thermal truck freight has a less emitting road freight alternatives like electrical, biogas, or hydrogen-powered trucks. In the long term, electrical freight is far less emitting than thermal's even though the manufacturing part is more emitting. The retrofit technology (replacement of thermal motor by electrical one) allows for even lower emissions as the trucks' frames are preserved.
Biogas is another option. It has a longer distance range and is usually less emitting than electrical-powered freight as carbon intensity of electricity is, on average, still high. Finally, hydrogen is still a new technology that isn't quite mature yet but will also be a much more sustainable way to freight.
Currently, the supply of any of these freight options is low. Expressing interest in your freight supplier can contribute to accelerating its availability.

Benchmark

The global logistics company, has been actively adopting alternative fuels and technologies. They have incorporated electric vehicles, hydrogen-powered trucks, and biogas-powered vehicles into their delivery fleet in various regions.
The multinational retail corporation Carrefour has been adopting electric and hydrogen-powered vehicles for their transportation operations. They aim to have a fully electric delivery fleet by 2030.

Estimated Impact

Biogas-powered trucks show an emissions reduction of 75% compared to diesel-powered trucks. Electrical-powered trucks show an emissions reduction of 60% to 85% reduction compared to diesel-powered trucks, depending on the countries' electricity mix.
The impact of hydrogen technology is still uncertain due to the limited supply of green hydrogen.

Estimated Cost

It's challenging to provide a specific cost estimate without knowing the specific details of operations, such as the number of trucks, distance traveled, and the existing infrastructure. Your suppliers might help you get a better understanding of your options.

Recommended Service Providers

Get in touch with your current freight providers to learn about what they can offer.

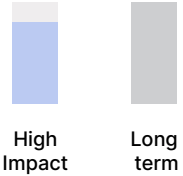
Implementation

1. **COLLABORATE** with suppliers, logistics providers, and technology partners to facilitate a smooth transition.
2. **DEVELOP** a robust infrastructure, such as charging stations or refueling facilities, to support the new form of truck freight.
3. **ENSURE** a smooth transition by planning and implementing the necessary measures, such as training staff, optimizing routes, and managing logistics, to minimize disruptions during the shift.

Replace your thermal truck freight by rail or fluvial freight

FREIGHT - road freight

By utilizing rail or fluvial freight, carbon emissions can be significantly reduced, contributing to a more sustainable transportation system. Indeed, trains and river barges can transport larger volumes of goods, requiring fewer trips and reducing overall energy consumption and emissions. Also, trains and river transportation are more fuel-efficient than trucks, resulting in lower carbon emissions. Finally, trains and river freight are particularly effective for long-distance transport, maximizing energy efficiency and emissions reduction.
Currently, the supply of any of these freight options is low. Expressing interest to your freight supplier can contribute to accelerating its availability.



Benchmark

Unilever, a consumer goods company, has incorporated train transportation as part of their sustainable logistics strategy. They have utilized rail freight to transport products between manufacturing facilities and distribution centers, reducing both emissions and transportation costs.
Colgate-Palmolive, a global consumer products company, has implemented intermodal solutions involving both rail and barge transportation. By shifting a portion of their freight to trains and waterways, they have achieved significant emissions reductions and cost savings.

Estimated Impact

Train and fluvial freight are approximately 80% less emitting than truck freight.

Estimated Cost

Cost may vary depending on the weight of the shipment, distance to cover, and location in the world. However, train and fluvial freight are usually cheaper much than truck freight. Get in touch with your freight provider from more precise estimations.

Recommended Service Providers

Get in touch with your current freight providers to learn about what they can offer.

Implementation

1. **ANALYSE** which of your truck freight road can be replaced with train or fluvial freight.
2. **COLLABORATE** with suppliers, logistics providers, and technology partners to facilitate a smooth transition.
3. **ENSURE** a smooth transition by planning and implementing the necessary measures, such as training staff, optimizing routes, and managing logistics, to minimize disruptions during the shift.

Decarbonize the last-mile freight

FREIGHT - road freight

Globally, the last-mile accounts for up to half of total delivery carbon emissions. Decarbonizing last-mile freight aims to address the environmental impact of goods transportation in urban areas by implementing low-carbon alternatives. These include electric or bike freight solutions. Mutualizing delivery at parcel reception stores can also help avoid emissions by simplifying logistic flows - you can encourage your clients to choose this option!

Medium Impact

Medium term

Benchmark

Evri : Evri is exploring active delivery models for final-mile delivery solutions, particularly in urban and congested areas, resulting in an increase in productivity of around 13% and an 89% reduction in CO2 emissions.
Amazon : Amazon has been piloting e-bike delivery programs in urban areas where the distance between distribution centers and customers is relatively short. On top of environmental advantages, Amazon found that E-bikes offer advantages in terms of maneuverability and efficiency compared to larger vehicles, enhancing the overall efficiency of the delivery process.

Estimated Impact

A scenario built by the WEF (including EV usage for inner-city areas, pre- and post-working hours and nighttime deliveries, effective data-based connectivity solutions such as dynamic rerouting and load-pooling, and multi-brand parcel lockers and boxes) estimated a 30% reduction in last-mile emissions.

Estimated Cost

Cost of e-bike last mile delivery service vary greatly from region to region and are available mostly in bigger urban areas. Overall, service quality is improved: bike services are less likely to get stuck in the traffic and have capacities similar to trucks.

Recommended Service Providers

Velove

E-cargobike

Écoflotte

Finmile

Implementation

1. **ESTABLISH** and start monitoring your KPIs (ex. percentage reduction in carbon emissions from last-mile delivery).
2. **CONDUCT** an assessment of your current last-mile freight operations, including size of your fleet, vehicle types, delivery routes, and associated emissions. Evaluate the feasibility and potential impact of different decarbonization strategies. You can get ideas from the different transition scenarios built by the WEF.
3. **SET** clear goals, targets, stakeholders, and timelines for each initiative.


Product purchases

Implement carbon impact conditions in your purchase policy

PRODUCT PURCHASE

Procuring products and services often contributes to a significant portion of a company's emissions, with supply chains accounting for over 80% in the consumer goods sector To effectively address this issue, incorporating eco-conditions into your company's purchasing policy is a direct and efficient approach. Consider establishing requirements like the use of recycled materials and conducting a GHG assessment to ensure quantifiable environmental impact. These measures can be applied both with existing providers and during the contract awarding process.

Medium Impact | Long term

Benchmark

In 2020, several companies joined forces to launch the 1.5°C Supply Chain Leaders with the Exponential Roadmap initiative. It involves management commitment to work with suppliers to halve their GHG emissions before 2030, establishing public targets, and supply chain GHG mapping and prioritization.
Livent emphasizes the monitoring and reduction of GHG emissions by its suppliers. As part of the pre-qualification process, Livent assesses suppliers' willingness and ability to meet their requirements through a questionnaire, and reviews answers periodically to ensure adherence.

Estimated Impact

Increased visibility into the carbon footprint of your suppliers and the ability to implement diverse eco-conditions within your purchasing policy can yield a significant impact on your scope 3 emissions in the long run.
Can serve as a catalyst to encourage other industries to embark on decarbonization efforts.

Estimated Cost

Variable depending on the resulting changes in the supply chain.

Recommended Service Providers

Greenly sustainable procurement module automates this process.

Implementation

1. **ESTABLISH** and start monitoring your KPIs (ex. percentage of suppliers that have completed a carbon footprint assessment, percentage of suppliers with a roadmap aligned to the goals of the Paris Agreement for 2030, ex. SBTi certification, etc)
2. Based on your goals and KPIs, **IDENTIFY** the eco-conditions you want to implement in your purchase policy. Clearly define them, ensuring they are specific, measurable, attainable, relevant, and time-bound (SMART).
3. **SUPPORT** and recognize suppliers' efforts. If possible, provide them tools, trainings, and resources to help them achieve the objectives. Follow and report suppliers' progress.

Useful Links & Sources: https://www.thesustainability.io/supply-chain-sustainability https://www.mckinsey.com/capabilities/sustainability/our-insights/starting-at-the-source-sustainability-in-supply-chains

Buy recycled or second-hand material

PRODUCT PURCHASE

Buying recycled or second-hand material allows you to give those a second life. By doing that, you prevent the extraction/production of new raw materials which is usually a significant part of the impact throughout the value chain.

Low Impact

Short term

Benchmark

The computer technology company, has launched a program called "Closed Loop Recycling" to recover plastics from recycled electronics. These plastics are then used to make new computers and other electronic products.

This outdoor clothing and gear company is known for its commitment to sustainability. They use recycled materials, such as recycled polyester, in their products.

Estimated Impact

Up to 90% depending on the materials and the maturity of their current recycling chain (loss rates, energy inputs).

Estimated Cost

The cost of recycled materials compared to raw ones can be higher due to a limited supply. Price differences is dropping as the markets develop and recycling processes mature.

Recommended Service Providers

Get in touch with your current material providers or other local providers to scout for options.

Implementation

1. **EVALUATE** the raw materials used in your products. Take into account their volume, the associated emissions and the market sensitivity to sustainability issues.
2. **CONDUCT** a study to see which materials you can replace according to your current operational constraints.
3. **LOOK** for sustainable suppliers that could supply you with the corresponding raw materials and meet your needs.

Reduce the weight of your packaging

PRODUCT PURCHASE

Reducing the weight of your packaging will have a relevant impact on your emissions. Not only the use of raw materials will be reduced, but it will also reduce waste and freight-related emissions. The goal is to aim for minimalism while preserving the packaging's functionality.

Medium Impact

Medium term

Benchmark

Seventh Generation, a company specializing in eco-friendly household and personal care products, has prioritized lightweight packaging. They have made efforts to reduce the weight of their packaging materials while maintaining product integrity, resulting in lower carbon emissions.

Lush is a cosmetics company known for its commitment to sustainability. They have introduced "naked packaging," where products like shampoo bars and solid shower gels are sold without any packaging or with minimal packaging.

Estimated Impact

The impact of this option depends on your current packaging and its potential for weight reduction. Usually, reduction opportunities range for 5 to 20% of the total packaging's impact.

Estimated Cost

This action typically results on in cost savings as less material is purchase.

Implementation

1. **ASSESS** the current packaging system, identify areas of inefficiency and importance, and analyze the carbon emissions associated with packaging waste.
2. **STREAMLINE** packaging to minimize weight, volume, and material usage while ensuring product protection and integrity.
3. **INVOLVE** internal and external stakeholders, raise awareness about the project's goals, and communicate the importance of sustainable packaging practices in reducing carbon emissions.

Choose packaging made from recycled raw materials

PRODUCT PURCHASES

Choosing packaging made from recycled materials offers significant environmental advantages. This decision helps conserve natural resources by decreasing the demand for raw materials, leading to lower energy consumption during manufacturing and reduced greenhouse gas emissions. Moreover, it contributes to waste reduction by diverting materials from landfills, supports the development of recycling infrastructure, and aligns with consumer preferences for eco-friendly products. This sustainable approach not only enhances a company's reputation but also promotes a more circular and environmentally conscious economy.

Low impact

Short term

Benchmark

This outdoor clothing company uses recycled materials for its packaging to minimize environmental impact.
IKEA strives to use renewable and recycled materials in its packaging, and they aim to use 100% renewable or recycled materials by 2030.

Estimated Impact

Up to 90% of the packaging related emissions depending on the materials and the maturity of their current recycling chain (loss rates, energy inputs).

Estimated Cost

The cost of recycled materials compared to raw ones can be higher due to a limited supply. Price differences is dropping as the markets develop and recycling processes mature.

Implementation

1. EVALUATE the raw materials used in your packaging. Take into account their volume, the associated emissions and the possible impact on market.
2. CONDUCT a study to see which materials you can replace according to your current operational constraints.
3. LOOK for sustainable suppliers that could supply you with the corresponding raw materials and meet your needs.

Set up a system for recovering and reusing used work equipment.

PRODUCT PURCHASES

Implementing a system for recovering and reusing used work equipment reduces the company's carbon footprint by minimizing the emissions associated with the production of new equipment. This approach, focused on extending the lifespan of existing goods, promotes a circular economy while generating savings, enhancing the company's image and contributing to responsible waste management. Adopting this initiative demonstrates the company's commitment to sustainability and reducing its carbon footprint.

High impact | Long term

Benchmark

Google has introduced a program called the "Take Back Program" which allows employees to return their old work clothes for recycling. They have also adopted a more relaxed dress code policy, encouraging more moderate consumption.

IKEA encourages a more sustainable approach to fashion by providing sustainable work uniforms and exploring solutions to extend the life of its employees' clothing.

Estimated Impact

The implementation of a system for the recovery and reuse of used work equipment is estimated to have a significant positive carbon impact. By reducing the manufacture of new equipment, this action contributes directly to the reduction of greenhouse gas emissions throughout the life cycle, thus promoting a more sustainable and responsible approach to the environment.

Estimated Cost

The estimated cost of setting up a system to recover and reuse used work equipment varies according to the size and complexity of the company. Despite potential initial investments, long-term economic benefits, such as savings on the purchase of new equipment, can offset these costs.

Implementation

1. VALUE the quantity of materials that could be recovered. Consider volume, associated emissions and market impact.
2. CONDUCT a study to see how to set up a recovery and reuse system.
3. SEARCH for suppliers who can meet your materials collection and recycling needs.


Energy

Expand product portfolio to include less carbon intensive products

ENERGY - ENERGY TRANSITION

Diversify your energy portfolio by investing in renewable energy sources like wind, solar, and hydropower, as well as low-carbon technologies such as renewable natural gas (RNG) and hydrogen. This can help reduce reliance on fossil fuels and lower emissions while giving a competitive advantage during the energy transition.

High Impact | Long term

Benchmark

By 2040, Ørsted aims to achieve net-zero emissions throughout its entire value chain. A comprehensive plan is already in motion to gradually phase out fossil fuels from their business operations and significantly expand production of green energy. They have reduced GHG emissions by 83% since 2006, and by 2025 they will adhere to the requirements for emission reductions in a 2°C scenario.

Estimated Impact

On average, coal-to-gas switching reduces emissions by 50% when producing electricity and by 33% when providing heat (IEA). The substitution of natural gas by second-generation biomethane can lead to an 80% reduction* in GHG emissions for heating (IEA).

Estimated Cost

The costs vary and ultimately depend on the successful sale of different energy sources. According to the IEA, upfront investments totalling USD 600 billion would be required to halve the emissions intensity of oil and gas operations globally by 2030.

Implementation

1. CONDUCT a product market fit of low-carbon offerings. Identify high potential products.
2. DEFINE targets and measure your global performance improvements when launching new product line.
3. INVESTIGATE the financial mechanisms to support transition costs, e.g., grants, subsidies, tariffs, tax incentives, etc.

Replace your machines with low-carbon alternatives

ENERGY - ENERGY TRANSITION

Machinery used in many industries, such as construction, agriculture and forestry, often relies on non-road diesel (NRG) to operate. However, RNG emits significant quantities of greenhouse gases, contributing to climate change. Therefore, replacing these machines with low-carbon alternatives is essential to reducing your company's carbon footprint.

High Impact | Long term

Benchmark

Tesla, a pioneer in electric vehicles, has invested in a fleet of electric forklift trucks for its internal operations. This replacement has significantly reduced the carbon emissions associated with the company's logistics.

Estimated Impact

Depends on the alternative chosen and the carbon impact of using the machine being replaced.

Estimated Cost

Replacement costs depend on the number of machines to be replaced and the choice of alternatives. However, potential savings on fuel and maintenance costs over the long term can offset some of these initial costs.

Implementation

1. **IDENTIFY** which machines can be replaced by carbon-free alternatives. Assess the performance, costs and benefits of each option.
2. **CHOOSE** low-carbon alternatives based on their technical characteristics, their suitability for your company's specific needs and their availability on the market.
3. **IMPLEMENT** a gradual transition plan, gradually replacing combustion engine machines with the chosen alternatives. Ensure that staff are trained in the use of these new machines.

Implement an energy savings program

ENERGY - Electricity for appliances

Quick and without major investments, actions such as turning off lighting during periods of closure and improving lighting efficiency by deploying LED or low-energy lighting, as well as presence-based management, will allow *for an immediate reduction of your electricity consumption and expenditure.*

Low Impact

Short term

Benchmark

IKEA implemented a comprehensive lighting efficiency program in stores and distribution centers, including the use of LEDs, motion sensors, and daylight harvesting to reduce energy consumption and improve the shopping experience for customers.

Hilton implemented both a lighting control system in hotels that automatically turns off lights in unoccupied rooms and LED lighting throughout their properties to reduce energy use.

Estimated Impact

Lighting represents on av. 20% of the energy consumption of a typical office building.
Turning-off lighting: impact equivalent to the % reduction in lighting time.
Deploying LEDs: 50-70% emission reduction compared to traditional lighting technos.

Estimated Cost

Average of 5 $ per LED light bulb, save 10 $ per LED light bulb per year, as savings typically outweigh investment costs (lower electricity bills). Presence-based light management: price can range between 100 to several K$ depending on space covered. Energy savings help mitigating costs after a few years.

Recommended Service Providers

effiEnergy

deepki

INCUB'

Oze ENERGIES

Implementation

1. **CONDUCT** an energy audit of the lighting system to quantify energy usage and areas for improvements / potential savings
2. **DEVELOP** a lighting plan and KPIs such as Lighting hours per day and Number of LED lights / Total lights
3. **IMPLEMENT** the plan and follow the KPIs as well as the returns on investment

Useful Links & Sources: https://www.iea.org/topics/saving-energy

Connect to a heating network to replace your heating system

ENERGY - Heating

A heating network is a centralized heating system that provides heat to multiple buildings or an entire district from a single energy source, generally a factory whose side product is heat, or a waste-to-energy plant. Connecting to a heating network is one among several low-carbon alternatives to natural gas. Other alternatives are heat pumps, biomethane, electricity, and on-site renewable energy generation.

High Impact | Medium term

Benchmark

IKEA has embraced district heating networks as part of their sustainability strategy. Many of their stores and distribution centers are connected to local heating networks that provide heat sourced from renewable or waste energy. By utilizing district heating, IKEA reduces their reliance on conventional heating systems and decreases their carbon footprint.

Estimated Impact

Reduction of approximately 60% of CO2e emissions compared to gas heating. This reduction depends on the local heating network grid and its energy source, and your initial heating method.
Depreciated emissions from new infrastructures should be considered, but remain low compared to carbon savings and vary depending on the distance to the network.

Estimated Cost

One of the most cost-effective ways of reducing carbon emissions from heating.
Relatively high upfront investment (connection cost and potential retrofit of the building).
Usually cost-effective in the long-term (energy savings).

Recommended Service Providers

Vital Energy

Contact your local government to get an overview of the local, available networks and their installers & operators.

Implementation

1. **CONDUCT** a feasibility assessment (gather information about available heating networks in your area, estimate costs and long-term potential savings, engage with internal decision-makers such as building owner).
2. **SELECT** a heating network provider in your area and conduct construction work to install the equipment.
3. **IMPLEMENT** monitoring solutions to track energy consumption and cost savings.

Useful Links & Sources: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/696273/HNIP_What_is_a_heat_network.pdf

Replace natural gas with biomethane

ENERGY - Natural gas

Biomethane is a type of biogas derived from organic materials such as feedstocks, agricultural waste, food waste, sewage, or landfill gas. It is classified into two categories: first-generation and second-generation biomethane. First-generation biomethane is produced using feedstocks that are primarily derived from edible crops, while second-generation biomethane is produced using waste materials. While both are considered renewable energy sources, the carbon impact of second-generation biomethane has a lower carbon impact than first-generation due to the significant energy, land, and resource requirements for cultivating feedstocks.

High Impact | Medium term

Benchmark

Unilever has partnered with a biogas plant in Bristol to receive a supply of biomethane to support their commitment to using renewable energy sources. The biomethane will be used to heat Unilever's five buildings in the UK and Ireland, consuming approximately 10,000 MWh annually. The biogas plant in Bristol utilizes household food and sewage waste as feedstock, injecting biomethane into the national grid for both residential and vehicle fuel use.

Estimated Impact

The substitution of natural gas by second-generation biomethane can lead to a 80% reduction* in GHG emissions for heating.

*Reduction happens in market-based reporting when purchasing Guarantee of Origins (GOs). However, this reduction occurs in location-based reporting when your company produces biomethane on its own.

Estimated Cost

Depends on many factors (production mode, potential infrastructure modifications required, policy support and incentives in your area, etc.). Often, no infrastructure modification is required and the cost change is limited to the difference between the price of gas and the price of biomethane. In some cases, biomethane is cheaper than natural gas.

Recommended Service Providers

Contact your current gas provider to investigate whether they offer the option. The **easiest way** to implement is to purchase Guarantee of Origins (GOs). Otherwise, get in touch with your local government to get further information on the availability of the supply.

Implementation

1. **EVALUATE** the feasibility and potential benefits of replacing natural gas with biomethane. You can also compare alternatives such as heat pumps, heating network, producing RE, and electric heaters.
2. **DEVELOP** a comprehensive implementation strategy (detailed plan with steps, timelines, resource allocation, relevant stakeholders).
3. **IMPLEMENT** monitoring solutions to track energy consumption and cost savings.

Useful Links & Sources:https://www.iea.org/reports/outlook-for-biogas-and-biomethane-prospects-for-organic-growth/an-introduction-to-biogas-and-biomethane

Purchase renewable electricity

ENERGY - Electricity

A power purchase agreement (PPA) is a contractual arrangement in which the buyer commits to purchasing a specified amount of electricity from the producer over a predetermined period of time, typically at a predetermined price. PPAs allow energy suppliers to finance renewable energy projects and reduce the carbon intensity of the energy they provide. On the other hand, certificates of origin, also known as Renewable Energy Certificates (RECs) or Guarantees of Origin (GOs), are documents that provide proof and transparency about the source and characteristics of the electricity produced from renewable energy sources. These provide a less stable revenue to energy providers and foster investments in renewables to a lesser extent.

Very low Impact

Medium term

Benchmark

Since March 2018, Lidl Ireland and Northern Ireland converted to using only renewable electricity.

Adobe has committed to 100% of their operations with renewable electricity from 2035.

Estimated Impact

PPAs or RECs allow you to reduce to the same extent as installing renewable energy sources on your premises, but only if you account energy related emissions using the market-based method.

Estimated Cost

In the case of PPAs and RECs, energy prices might be higher than conventional electricity production. Contact a renewable energy provider to get a more precise quote.

Recommended Service Providers

Contact your current energy provider and your local government to have an overview of your local options.

Implementation

1. **BENCHMARK** the different energy providers to determine which offers the most interesting offer from a techno-economic perspective (supply availability, electricity generation method, price, price stability, etc.).
2. **DEVELOP** a comprehensive implementation strategy (detailed plan with steps, timelines, resource allocation, relevant stakeholders).
3. **IMPLEMENT** monitoring solutions to track green energy consumption and cost / CO2e savings.

Improve the insulation of your buildings

ENERGY - Heating

Thermal insulation reduces heat loss through the roof, walls, windows and floors; and thus allows you to reduce your total energy bill. The latest standard aims for almost complete passive thermal insulation, meaning the energy intake of the building for heating purposes is close to zero.

Medium Impact | Medium term

Benchmark

Crunchy carrots, a digital media company, improved insulation to reduce energy cost and improve employees' comfort.

Estimated Impact

- Reduce emissions by up to 20% by reducing heating and cooling needs using regular renovation.
- If you reach a passive building standard, emissions from heating can be reduced by up to 100%.
- The impact of materials used during the renovation is negligible when compared to the impact of overall energy savings.

Estimated Cost

In the range of $3/sqft for a regular thermic renovation, up to $30/sqft to reach passivity.

Recommended Service Providers

Home Isolation

Recticel

Solar Paint

Knauf insulation

Implementation

1. **ESTABLISH** and start monitoring your KPIs (ex. percentage change in heating consumption in kWh).
2. **FIND** a supplier to conduct an energy audit of the building and identify areas of heat loss and energy inefficiencies.
3. **SELECT** appropriate insulation materials (based on the building's characteristics, energy audit findings, and local regulations) with your supplier's recommendations and supervise the installation.

Useful Links & Sources: https://www.energy.gov/sites/prod/files/guide_to_home_insulation.pdf

Substitute refrigerant gases with lower impact ones

ENERGY - Air conditioning, Refrigeration

Conventional refrigerants used in air conditioning and refrigeration systems (HFCs, CFCs, HCFCs) are very potent greenhouse gases and have a high global warming potential (GWP), which means they are a strong contributor to climate change. They leak at a rate between 7% to 80% per year depending on the type of appliance considered and its age. To reduce emissions, replace these conventional refrigerants with natural refrigerants (isobutane, HC-600a, propane, HC-29). This might require you to change appliances.

Low Impact | Medium term

Benchmark

In 2010, the company committed to phasing out the use of HFCs and by 2015, it had successfully replaced all HFCs in new equipment with natural refrigerants such as carbon dioxide and hydrocarbons, reducing the equipment's direct GHG emissions by 99 percent.

Estimated Impact

- Energy savings of up to 20% associated with higher energy efficiency of natural refrigerants.
- Emission savings of up to 90% associated with lower GWP of natural refrigerants.
- Depreciated emission impact of new equipment on emissions to be considered.

Estimated Cost

The cost of implementing natural refrigerants will vary based on the need for equipment changes and the specific type of natural refrigerant chosen. Natural refrigerants are not necessarily more expensive than natural refrigerants.

Recommended Service Providers

Koma

SWEP

Implementation

1. **ESTABLISH** and start monitoring your KPIs (ex. percentage change in electricity consumption).
2. **FIND** a service supplier specialized in A/C and natural gases, and / or contact your current A/C supplier.
3. **DETERMINE** with your service supplier the type of natural refrigerant you want to install and whether you have to change your current equipment and proceed to the installation.

Useful Links & Sources: https://www.epa.gov/sites/default/files/documents/ASHRAE_PD_Natural_Refrigerants_2011.pdf

Maintain air conditioning and refrigeration systems on a regular basis

ENERGY - Air conditioning refrigerant leaks & electricity, refrigeration systems

Air conditioning systems are a common source of GHG emissions due to refrigerant leaks. Gaz leaks at a rate from 7% to 80% per year depending on the type of appliance considered and its age. To mitigate this environmental impact, you can implement measures to limit refrigerant emissions from existing equipment. This can be achieved through regular monitoring, proper maintenance, and ensuring that refrigerant is recovered at the end of the equipment's life. This includes simple steps like replacing dirty or clogged filters can significantly improve the energy efficiency of your air conditioning system.

Very low Impact

Short term

Benchmark

Walmart

In 2010, Walmart launched a sustainability initiative to reduce GHG emissions and improve energy efficiency across its stores. As part of this initiative, the company implemented a comprehensive program to monitor, maintain, and optimize the performance of its refrigeration and air conditioning systems and trained its technicians to perform regular leak detection and repair activities.

Estimated Impact

Limiting leaks of refrigerant systems keeps yearly leaks at a minimum, and thus reduce direct emissions from 20 to 80% depending on the system.
Switch from a dirty filter to a clean one is probably the most efficient action with up to a 15% emissions reduction on emissions linked to AC electricity consumption.
Proper end-of-life recovery avoids leakage of the entirety of the gas in the machine.

Estimated Cost

Renewed parts cost typically below 50 dollars per year. A maintenance contract typically costs 150 dollars per AC unit. Energy and cost savings can significantly outweigh this investment cost.

Recommended Service Providers

Train your own technicians

Contact your A/C manufacturer or local A/C companies

Implementation

1. **CONSULT** the U.S. Energy Government's website page and / or contact your A/C manufacturer for advice on how to maintain your A/C.
2. **CHOOSE** a service provider or train your internal technicians to perform this task.
3. **ESTABLISH** and monitor your KPI (ex. A/C Maintenance frequency, yearly amount of gas leakage).

Useful Links & Sources: *https://www.fixr.com/costs/annual-air-conditioner-maintenance*

Conclusion

Summary of best practices in reduction actions

Consult the Greenly platform to explore, launch and track your reduction actions !

Food and drinks
91% of total

Freight
3.9% of total

Product purchase
2.6% of total

Energy
1.9% of total

1. Favor ingredients stemming from alternative agriculture methods
2. Select local suppliers
3. Replace your thermal truck freight by other sustainable road options
4. Implement carbon impact conditions in your purchase policy
5. Expand product portfolio to include less carbon intensive products

Conclusion

The GHG assessment made it possible to identify Gold Creek Foods LLC's main GHG emission sources so as to frame the company's carbon strategy and identify the items that need to be studied in greater depth with the aim of continuously improving the company's environmental impact.
This report assesses the company's direct emissions (Scope 1) and indirect energy-related emissions (Scope 2). These represent a small part of your company's impact, making it essential to tackle Scope 3 emissions by engaging your service providers, employees and portfolio.

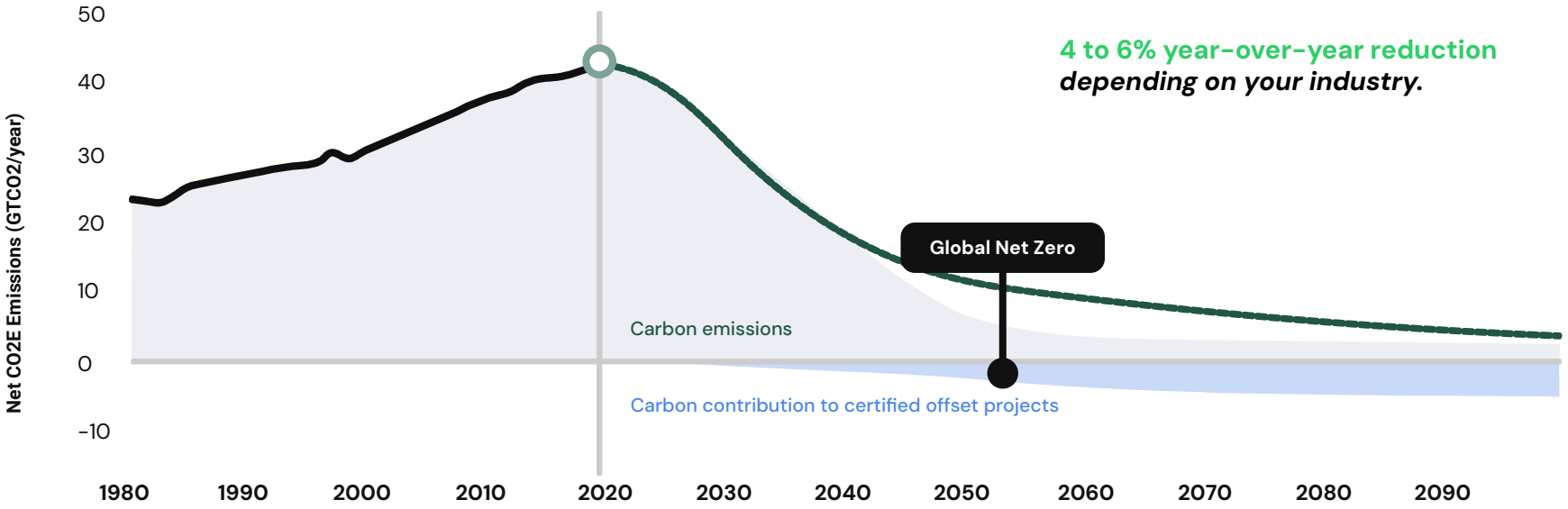
The recommended next steps in Gold Creek Foods LLC's carbon strategy are:

1. **Study key emission sources in greater depth,** if you opt for that. Your Climate Expert can help you decide between the different options available!
2. **Establish GHG emission reduction targets and implement an action plan** in order to achieve these targets.
3. **Engage your suppliers** using the Greenly supplier engagement tool.
4. **Engage your employees** using the interactive Greenly training quizzes.
5. **Communicate with your stakeholders** about your commitment and carbon footprint, your reduction targets and the action plan considered.
6. **Contribute to certified GHG reduction / sequestration projects** available on the Greenly platform.

What's next?

Committing to a multi-year decarbonization strategy

A SUSTAINED EMISSIONS REDUCTION BASED ON THE LEVELS REQUIRED BY THE PARIS AGREEMENT



GOLD CREEK™ greenly

Setting a path to Net Zero starts with setting clear decarbonization targets

INVOLVING STAKEHOLDERS TO BUILD MOMENTUM

The Climate Strategy mission allows stakeholders to roll out their climate strategy following key milestones: setting reduction targets, selecting impactful action plans, engaging suppliers and raising awareness among employees, and helping reduce or remove emissions.

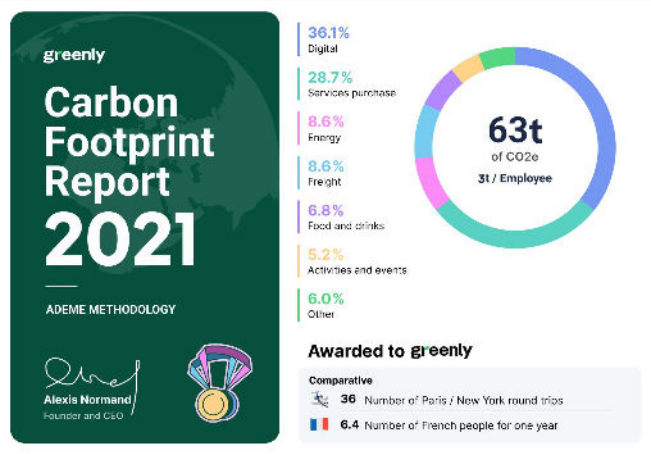
Continuous Emissions Tracking	Trajectory Setting	Action Plans	Sustainable Procurement	Employee Engagement	Reduce & Remove
Communicate	**Set Reduction Target**	**Select Action Plans**	**Engage Suppliers**	**Launch Climate Training**	**Track Progress**
Report on ADEME or CDP	Align your target with the Paris Agreement	Build Decarbonization Scenarios	Start your SBTI Supplier Engagement	Certify Employees	Offset
Start Deeper Dive Analytics	Implement SBTI Strategy	Select Sustainable Vendors		Launch Climate Workshops	Commit for 3 Years
Launch Life Cycle Analyses					

GOLD CREEK™ greenly

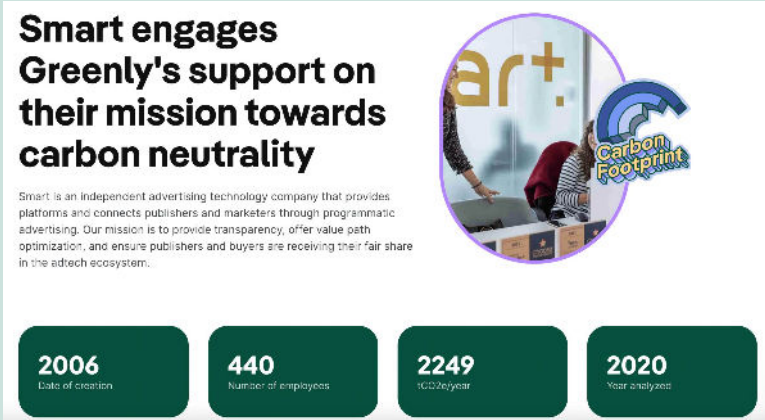
Communicate on your results!

RESPONSIBLE COMMUNICATION IS CRITICAL TO ENCOURAGE OTHERS TO DISCLOSE THEIR EMISSIONS

DISCLOSING EMISSIONS



BUILDING SUCCESS STORIES AROUND CLIMATE



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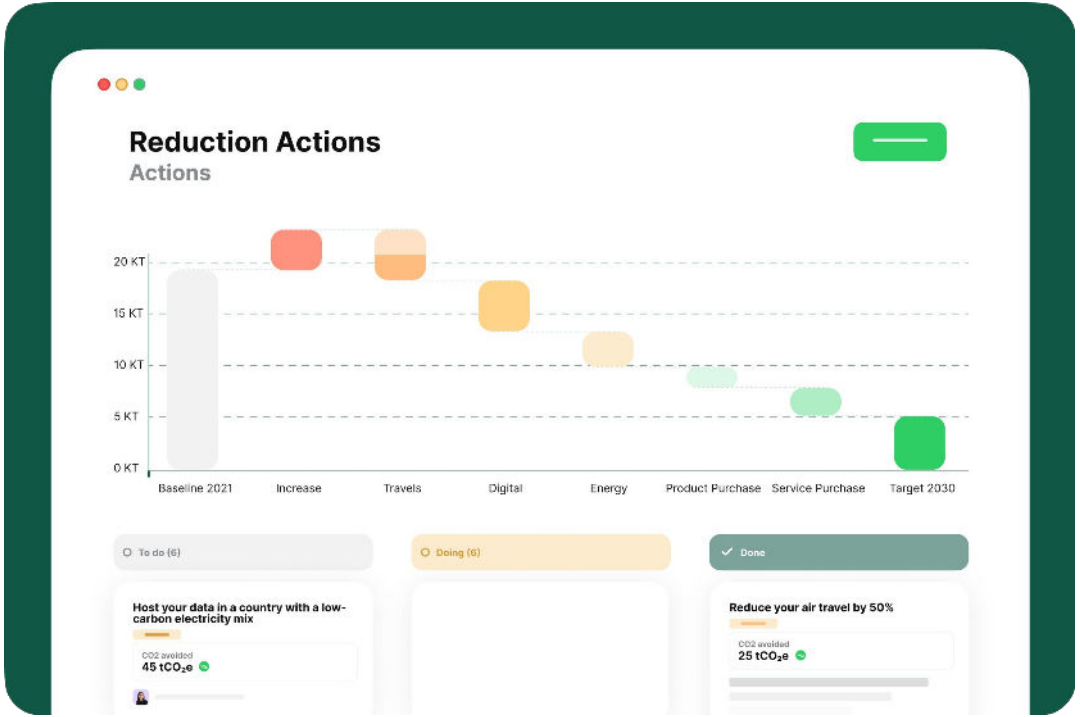
Select, implement and track action plans

REDUCING EMISSIONS STARTS WITH DETAILED DECARBONIZATION SCENARIOS FOR KEY EMISSIONS AREAS



Personalised Action Plans

Personalized recommendations based on your priorities.

Alternatives

Adapted to sector & company profile

Simulations

Assess the impact of your action plans

Customer Success Support

Assess the impact of your action plans

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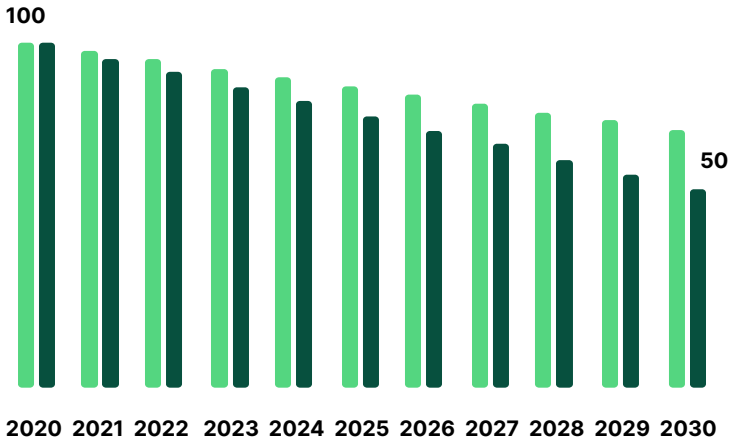
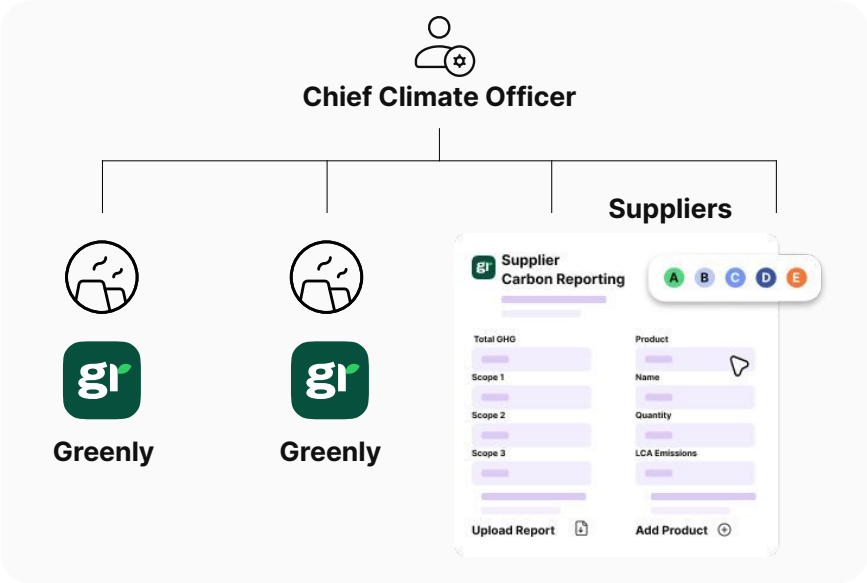
Engaging suppliers to align with the company's Net Zero targets

ENGAGE SUPPLY CHAIN VIA A DEDICATED SUSTAINABLE PROCUREMENT STRATEGY

SCIENCE BASED TARGETS
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

Reduction Trajectory Science Based Targets
Aligned with 1.5°C & Well below 2.0°C





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Maturity of your climate strategy

YOUR GREENLY CLIMATE SCORE

Greenly score criteria

Pioneers in the climate transition
< 1% of companies (Score ≥ 75)

Responsible companies
5% of companies (Score 55 - 74)

Building a company in transition
10% of companies (Score 30 - 54)

Beginners committed to the transition
30% of companies (Score 5 - 29)

Enthusiasts to awaken
10% of companies (Score 0 - 4)

Lack of interest in the climate
50% of companies

The intermediate Greenly Climate Score of Gold Creek Foods LLC is 37 points

Points are distributed as follows:

Creating & fine-tuning the Greenhouse Gas report: **36**/40
Action plans: **1**/36
Climate targets: **0**/4
Involving your teams: **0**/10
Carbon contributions: **0**/10

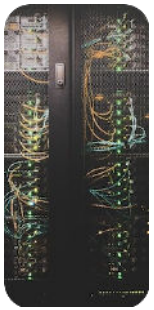
The Score will be updated at the Climate Strategy follow-up meeting.

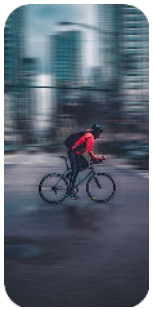
More information on the Score calculation method here
Statistics were computed on the Greenly supplier database

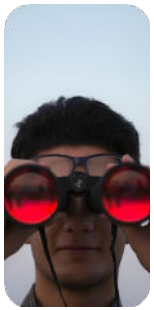
Engaging employees on Climate Change

OUR MONTHLY TRAININGS





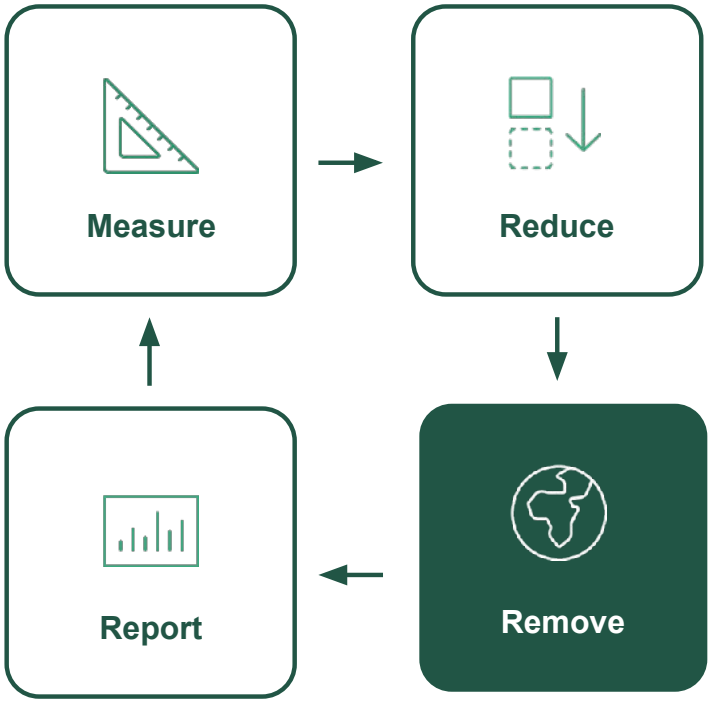





Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 12
Onboarding	Quiz 1 Climate Science	Quiz 2 IT	Quiz 3 Food	Quiz 4 Transport	Quiz 5 Energy	And more..	A look back on the year

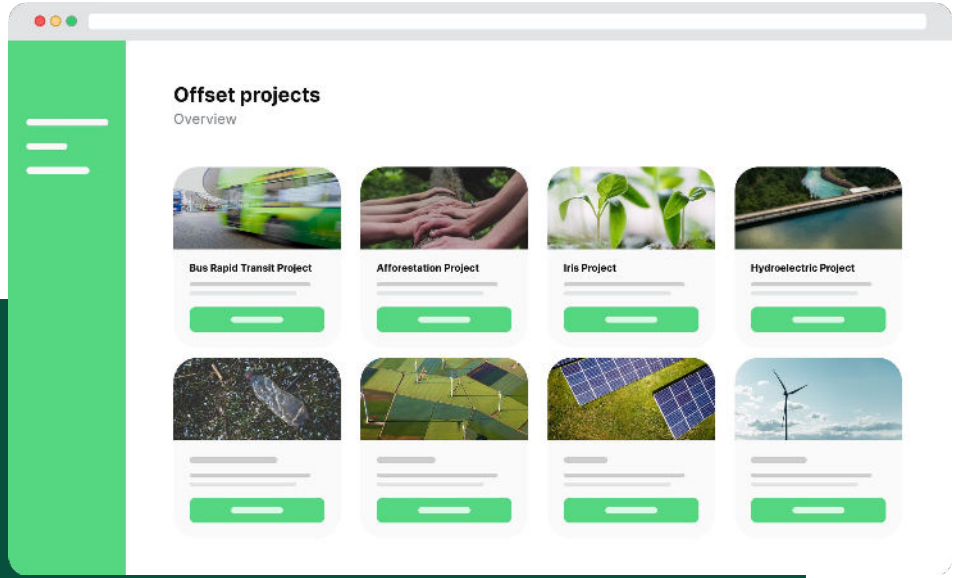
Solving the Climate Equation

KEY ELEMENTS TO BUILDING A PATH TOWARDS NET ZERO



Net Zero Contribution – What to Expect

SOURCING ONLY VERIFIED & CERTIFIED PROJECTS



Ensure projects are certified

We source projects that meet criteria of additionality, permanence, auditability and measurability

Contribute to Net Zero

Ensure you are responsible for more emissions capture that what your organization is emitting

LABEL BAS CARBONE VERRA Gold Standard

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Next steps: support

CLIMATE STRATEGY PROGRESS REPORT MEETING

When?

I 1 week after the Carbon Journey Overview Meeting: 15 min
I 1 month after the Carbon Journey Overview Meeting: 45 min

Why?

I Review of your action plan
I Update your Greenly Score
I In-depth review of your climate engagement

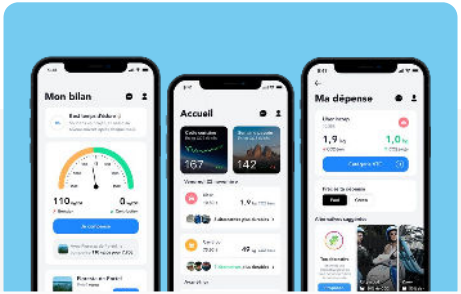
Questions?

I Let's chat and get you answers!

About Greenly

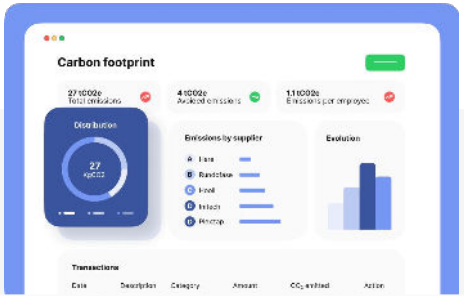
The Greenly Vision

MAKING CARBON ANALYTICS UNIVERSAL



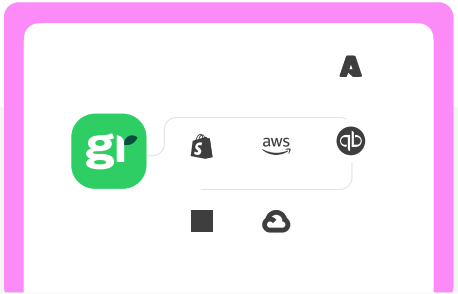
CARBON FOOTPRINT APP & API

First carbon fintech app launched



CARBON ACCOUNTING SOFTWARE

Launch B2B SaaS for SME Carbon Footprint (GHG Protocol)



CLIMATE APP STORE

Introducing the first Climate App Store in 2023

Building up a global tech leader to scale carbon accounting

FOUNDER VISION: HELPING ALL COMPANIES START THEIR CLIMATE JOURNEY TO FAST-TRACK THE ENERGY TRANSITION

Arnaud Delubac
CMO & Co-Founder

INSEEC, Essec - Centrale
Digital Comm at Prime Minister Office, & Ministry of Digital

SECRÉTARIAT D'ÉTAT CHARGÉ DE LA TRANSITION NUMÉRIQUE 2018-2019

Alexis Normand
CEO & Co-Founder

HEC, Sciences-Po
Ex Head of B2B & Boston Office at Withings, Techstar w/Embleema

withings 2013-2018

Matthieu Vegreville
CTO & Co-Founder

Ecole Polytechnique - Telecom
Ex Data Science
& B2B SaaS at Withings

techstars_ 2018-2019

Everyone should strive to achieve Net-Zero, not just the elite. Consumers want all companies to implement sustainable changes

Greenly is instigating a bottom-up climate revolution making it simple for all companies & employees to start their climate journey

Working with our initial 1,000 customers, we see that early adoption of carbon initiatives boosts growth and profitability, while helping companies start their climate journey

As regulations make carbon disclosure mandatory, Greenly is building highly-scalable tech to address the enormous influx of mid-market businesses joining the energy transition.

Greenly's product-led growth rests on three pillars: 1- a tech-enabled end-to-end carbon platform ; 2- an outstanding UX to cultivate a growing community of climate leaders: 3- Lastly, a global ecosystem of partners who leverage Greenly to scale carbon accounting over their network.

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Greenly is the world's fastest growing carbon management platform

WE ARE SCALING OUR TECH, OUR CUSTOMERS BASE & CLIMATE TEAM

150+

Team with Climate Experts Data Scientists, Data analysts, Data Engineers, DevOps Engineers

1000+

Customers in Tech, Industry, Energy, Logistics, Construction, Real Estate etc.

50k

Emissions sources aggregated from customers & industry databases

10+

Geographies covered with customers in the US, UK, France, Italy, Germany, Nordics...

These companies are tracking their carbon footprint with Greenly

Industries: faurecia, HUTCHINSON, RENAULT, TEVA, Schlumberger

Tech: alma, ZOOPLA, Tripadvisor, PayFit, swile, Konbini

Retail: bel for all for good, COURIR, LVMH, Pernod Ricard

Services: ACCOR, Capgemini, Kéa, Mediametrie, econocom

Finance: COATUE, Shell Ventures, AXA, EIFFEL, BNP PARIBAS

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Greenly's Scientific Council

INDUSTRY, AI & CLIMATE EXPERTS

Dr. Luc JULIA

Lab Director
Co-fondateur
SIRI
AI expert

Nicolas HOUDANT

CEO
Énergies demain
Ex
GreenNext

Peter FOXPENNER

Professor
BU University
-
Electricity grid & Carbon expert

Pr. Yann LEROY

Professeur
Centrale-Supelec
-
Carbon Product Life-Cycle

Pr.Antoine DECHEZLEPRÊTRE

Professeur
LSE
-
Climate change policy

Contact us

support@greenly.earth

www.greenly.earth