Year 2025

GHG emissions report

Tungsten Automation Corporation



Foreword

Congratulations on pursuing your climate journey. Greenly is proud to contribute to Tungsten Automation Corporation'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

Overview

1 **Introduction**
- Carbon accounting methodology
- GHG emissions assessment parameters
- Executive summary

2 **Emissions report**
- Results by scope
- Results by activity
- Focus by activity

3 **Focus on action plans**
- Estimated impact
- Estimated costs
- Implementation step by step

4 **Conclusion – What's next?**
- Summary of reduction actions
- Next steps

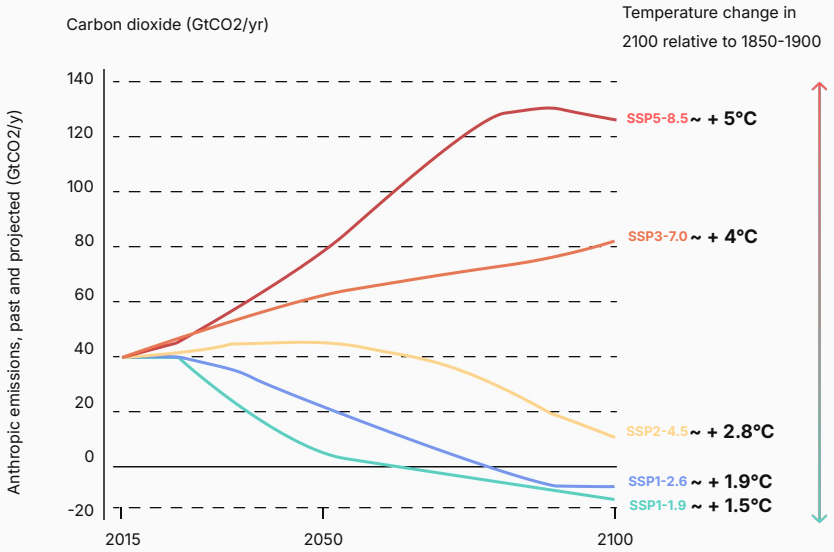
5 **About Greenly**
- Our vision & team

6 **Appendix**
- Scope 1-2 details
- Scope 3 details

TUNGSTEN AUTOMATION greenly

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

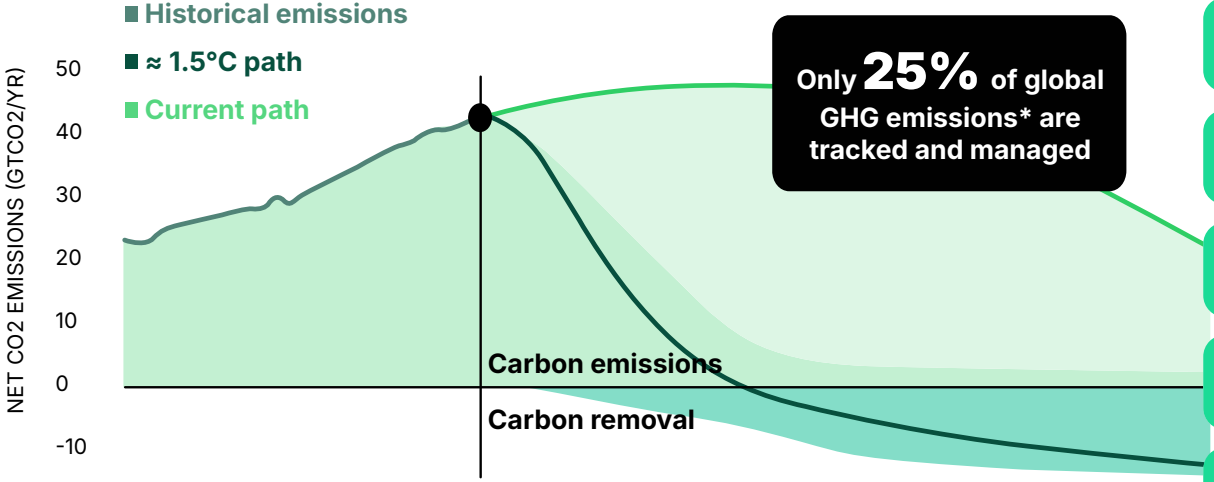
- Regulatory developments and mitigation policies
- Markets and sectors migrating towards promoting low-carbon value creation:
  Opportunities to seize
  Associated market risks
- Growing stakeholder demands on environmental commitments
- Shifting employee mindsets and expectations regarding the environmental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

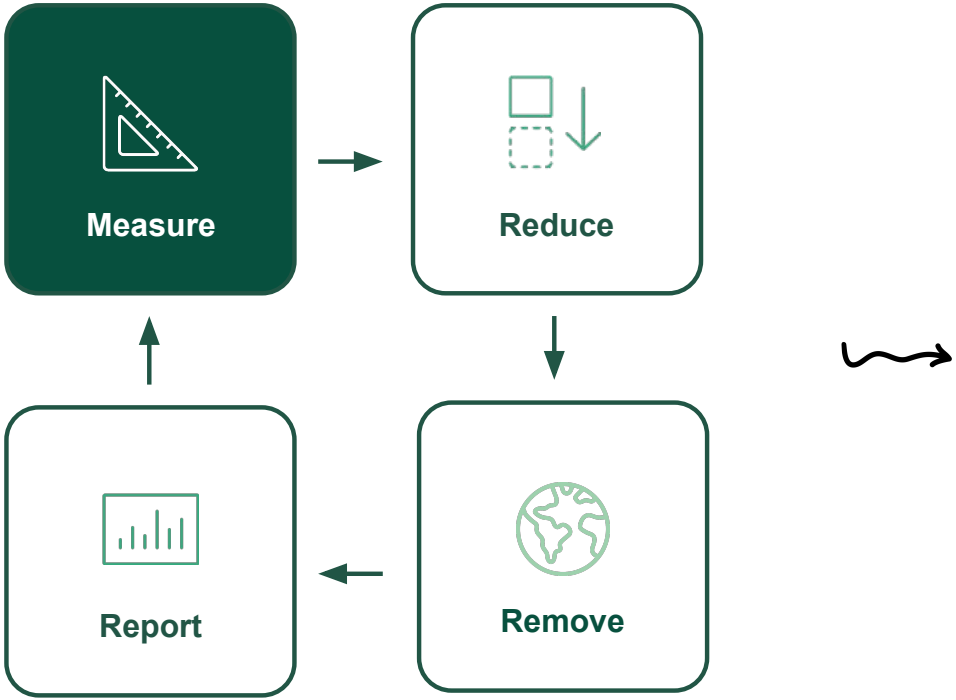
- **EU Emissions Trading System** 2005
- **SECR** 2019
- **SFDR & Taxonomy** 2022
- **NFRD & CSRD** Jan. 2024
- **SEC Disclosure Regulation** Jan. 2027

Source: *Carbon Pricing Leadership Report

TUNGSTEN AUTOMATION greenly

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

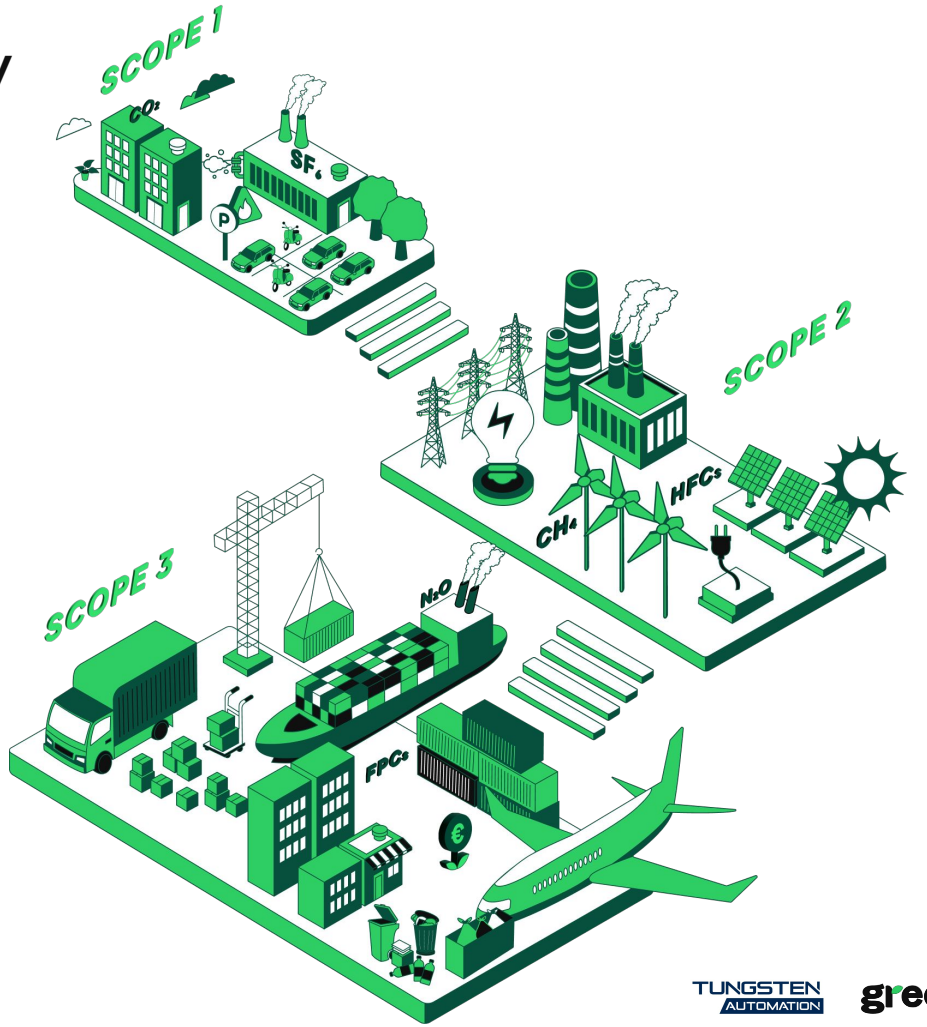
Emissions related to the organization's consumption of electricity, heat or steam.

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.



TUNGSTEN AUTOMATION greenly

How are emissions computed?

ANALYZING EMISSIONS, AUTOMATING TRACKING

16% of your emissions of 2025 are calculated using activity data

Expense based

Increasing Accuracy*

Activity based

Activity metrics x Emissions factors = CO2 Eq. Emissions

Total Expense 80€	1.75 kgCO2e/€	140 kgCO2e
Total Distance 600 km	0.2 kgCO2e/km	120 kgCO2e
Total Fuel 40 liters	2.8 kgCO2e/liters	112 kgCO2e

*depending on the availability of data

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

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

TUNGSTEN AUTOMATION greenly

GHG emissions assessment scopes

Entity

Tungsten Automation Corporation
From January 2025 to December 2025
-

Primary data

Accounting data
Employee survey
Buildings data
Activity data from the following module: Outsourced & On-Premise Datacenters (Cloud excluded)

Methodology

Official and approved GHG Protocol methodology; GWP 100
Location-based approach

Emissions generated in and outside the country of operation are accounted for. The methodological details of the calculation of each carbon footprint source are available on the Greenly platform.

Measurement scope

All emissions under operational control

✔ Category included
○ Category excluded
✘ Category irrelevant

Scope 1
✔ 1.1 Generation of electricity, heat or steam
✘ 1.2 Transportation of materials, products, waste, and employees
✘ 1.3 Physical or chemical processing
✔ 1.4 Fugitive emissions

Scope 2
✔ 2.1 Electricity related indirect emissions
○ 2.2 Steam, heat and cooling related indirect emissions

Scope 3
✔ 3.1 Purchased goods and services
✔ 3.2 Capital goods
✔ 3.3 Fuel- and energy- related activities not included in Scope 1 or Scope 2
✔ 3.4 Upstream transportation and distribution
✔ 3.5 Waste generated in operations
✔ 3.6 Business travel
✔ 3.7 Employee commuting
✔ 3.8 Upstream leased assets
✘ 3.9 Downstream transportation and distribution
✘ 3.10 Processing of sold products
✘ 3.11 Use of sold products
✘ 3.12 End-of-life treatment of sold products
✘ 3.13 Downstream leased assets
✘ 3.14 Franchises
✘ 3.15 Investments

General overview

KEY RESULTS – 2025

Absolute

14k
tCO2e

Per employee

5.9
tCO2e

Employee number : 2.3k

Per revenue (M)

23
tCO2e

Revenue : 587M$

This report summarizes the results of Tungsten Automation Corporation's 2025 GHG emissions assessment based on the information collected and subject to its completeness, correct categorization and validation.

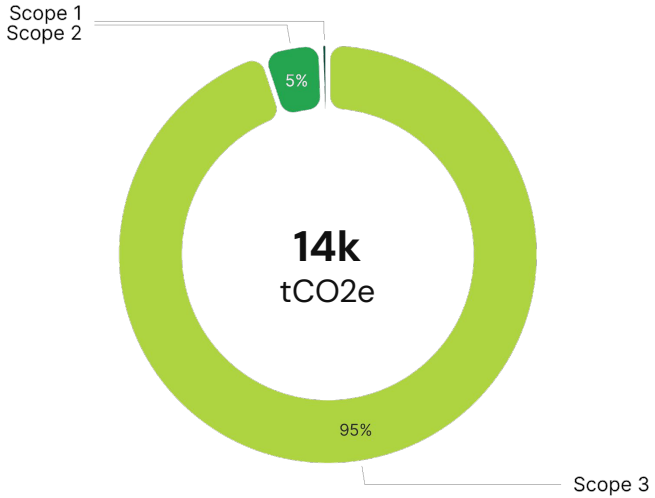


Emissions Report

General overview

BREAKDOWN BY SCOPE – 2025

	Scope 1	Scope 2	Scope 3
Absolute tCO2e	74	614	13k
Employee tCO2e/employee	< 0.1	0.3	5.6
Revenue tCO2e/M$	0.1	1	22

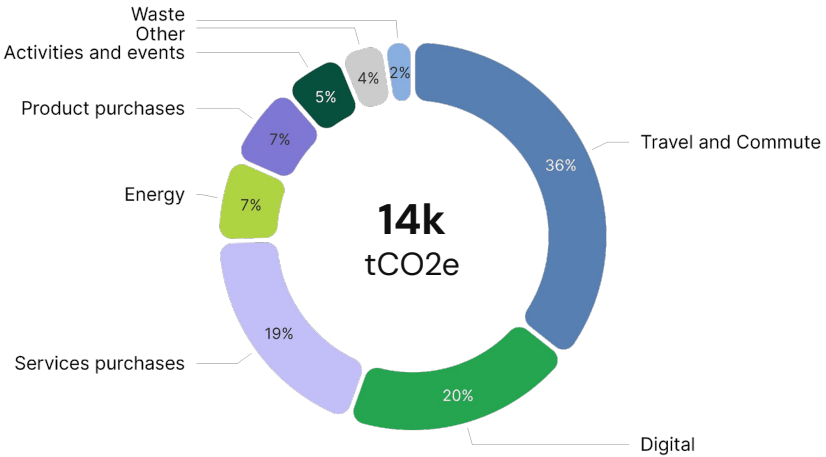


Results subject to the correct categorization and validation of expenses of Tungsten Automation Corporation.

General overview

RESULTS BY ACTIVITY

Total emissions of Tungsten Automation Corporation, by activity (% tCO2e)



	Absolute tCO2e	Per employee tCO2e/employee
Travel and Commute	4.8k	2.1
Digital	2.7k	1.2
Services purchases	2.6k	1.1
Energy	951	0.4
Product purchases	938	0.4
Activities and events	709	0.3
Others**	844	0.4

Is equivalent to:

The amount of CO2 sequestered annually by **3k acres of growing forest***

The annual emissions of **589 Americans***

7.5k Paris - New York round trips*

Sources: Labos1Point5, ExioBase, French National Forests Office

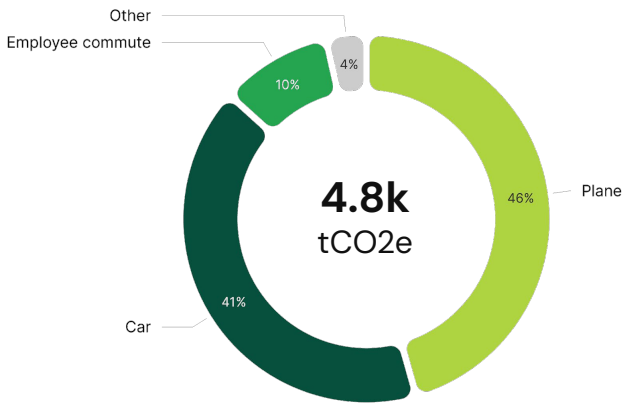
***Waste, Assets, Food and drinks, Freight*

Focus on Travel and Commute

Activity data
472 tCO2e (10%)

Expense data
4.4k tCO2e (90%)

Travel and Commute emissions by category
(% tCO2e)



36% of total

What is included in this category?

CO2 emissions from travel and commuting, covering various transportation modes. Includes direct fuel combustion and indirect fuel production emissions.

How to reduce the impact of this category?

You can adopt the following measures:
- Promote teleworking and carpooling
- Promote low carbon commuting means
- Stop air travel when a 6 hours train alternative is available

See additional best practices in the action plans section

Methodology

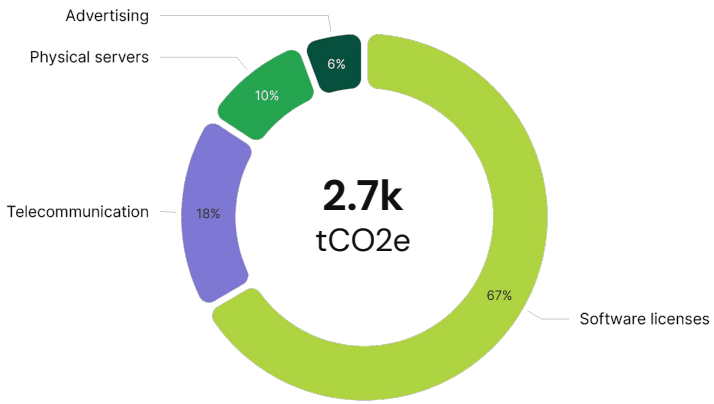
1. Emissions calculated using activity and expense data, by multiplying a quantity by an emission factor.
2. The emission factors used for this category come from the following databases: Base Empreinte Ademe 23.9, EPA GHG Emission Factor Hub 2025, Exiobase 3.8.2, Greenly 1.0, Public Authority (e.g. IPCC) 2024, Public Authority (e.g. IPCC) co2emissiefactoren, Rijkswaterstaat (Dutch government), 2025, Uk GHG Conversion Factor 2025
3. Details of the methodology used to calculate each carbon footprint source are available on the Greenly platform.

Focus on Digital

Activity data
270 tCO2e (10%)

Expense data
2.4k tCO2e (90%)

Digital emissions by category
(% tCO2e)



20% of total

What is included in this category?

CO2 emissions from digital activities, covering internet use, data storage, and cloud computing. Includes emissions from data centers, servers, and network infrastructure.

How to reduce the impact of this category?

You can adopt the following measures:
- Target users using wifi or during off-peak hours
- Improve your advertisement targeting

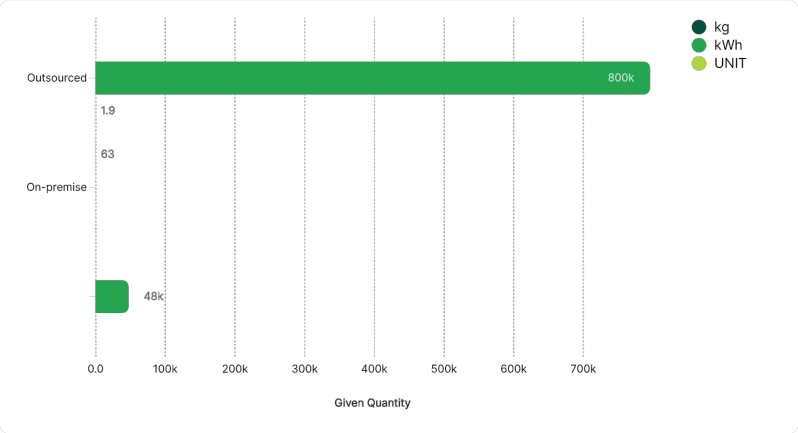
Methodology

1. Emissions calculated using activity and expense data, by multiplying a quantity by an emission factor.
2. The emission factors used for this category come from the following databases: Base Carbone Ademe 22.0, Company Report 1.0, Exiobase 3.8.2, IEA 2024
3. Details of the methodology used to calculate each carbon footprint source are available on the Greenly platform.

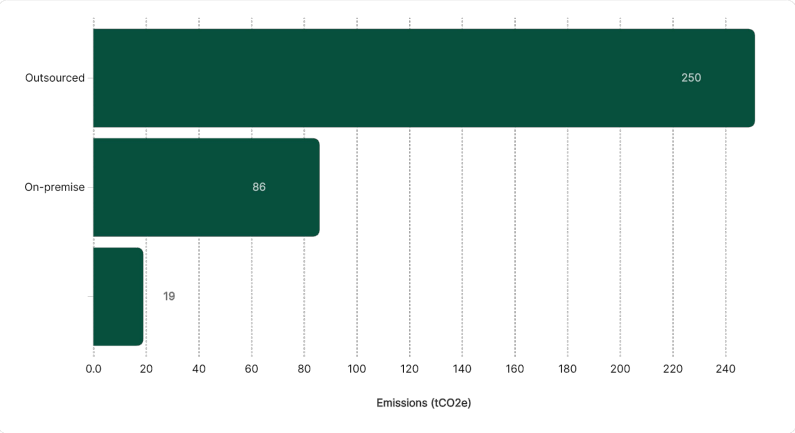
Focus on Digital

ACTIVITY DATA ANALYSIS: OUTSOURCED & ON-PREMISE DATACENTERS (CLOUD EXCLUDED)

Quantities



Emissions



This module covers 2.6% of total emissions.

This represents 356 tCO2e.

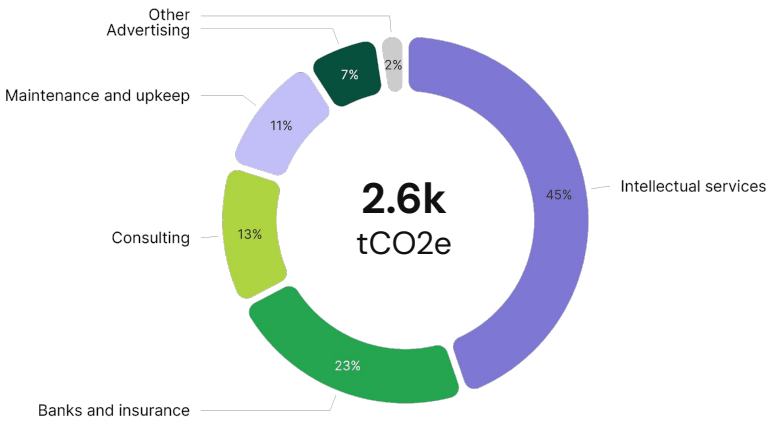
Methodology

1. Emissions are computed by multiplying the physical data with emission factors (in kgCO2e, for instance).
2. Emission factors used for this category come from the following databases: Base Carbone Ademe 22.0, Greenly 1.0, IEA 2024
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.
4. To see more visualisations visit Greenly's platform

Focus on Services purchases

Activity data	Expense data
0 tCO2e (0%)	2.6k tCO2e (100%)

Services purchases emissions by category
(% tCO2e)



19% of total

What is included in this category?

CO2 emissions from service purchases, covering professional services. Primarily from upstream energy/material use and energy consumed during service provision.

How to reduce the impact of this category?

You can adopt the following measures:

- Implement carbon impact conditions in your service purchase policy

Methodology

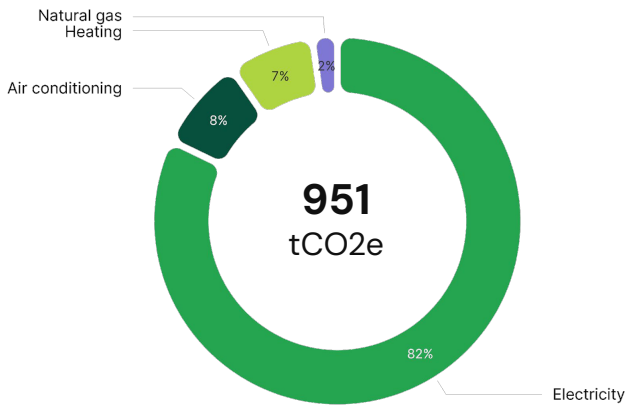
1. Emissions calculated using expense data, by multiplying a quantity by an emission factor.
2. The emission factors used for this category come from the following databases: Company Report 1.0, Exiobase 3.8.2
3. Details of the methodology used to calculate each carbon footprint source are available on the Greenly platform.

Focus on Energy

Activity data
951 tCO2e (100%)

Expense data
0 tCO2e (0%)

Energy emissions by category
(% tCO2e)



7% of total

What is included in this category?

CO2 emissions from energy production and consumption, covering fossil fuels and renewables. Varies by energy source type, efficiency, and carbon intensity.

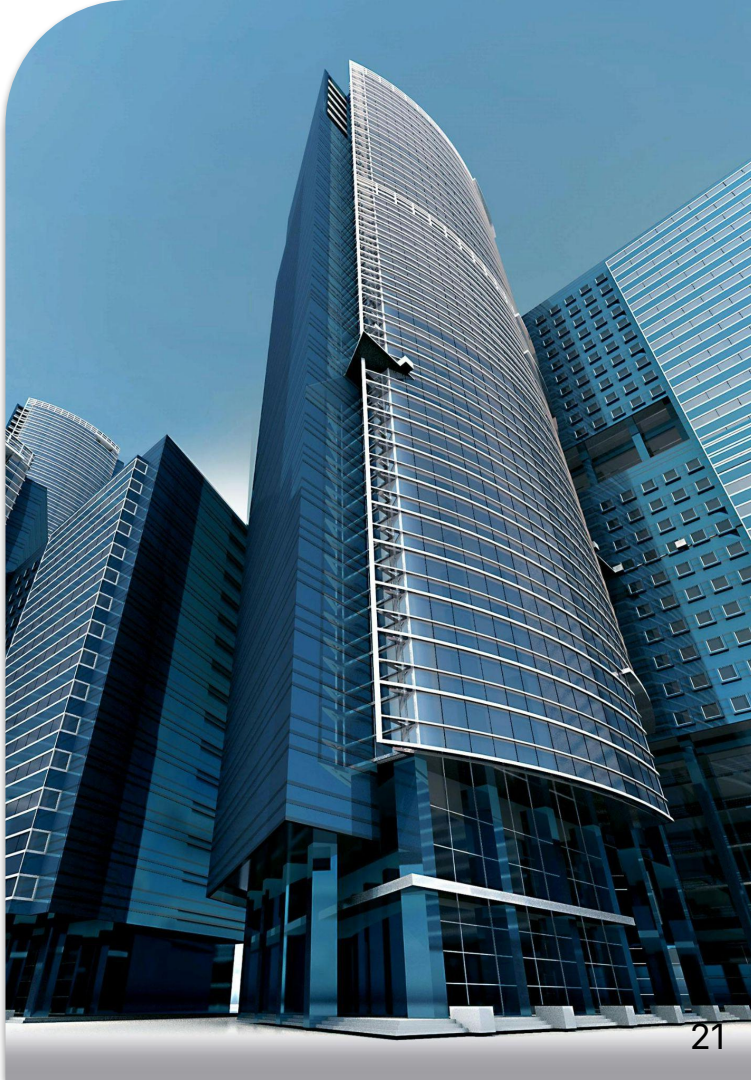
How to reduce the impact of this category?

You can adopt the following measures:
- Sublease the office space you are not using
- Implement an energy management system
- Set up on-site solar energy production

Methodology

1. Emissions calculated using activity data, by multiplying a quantity by an emission factor.
2. The emission factors used for this category come from the following databases: Base Empreinte Ademe 23.9, eGRID 2023, EPA GHG Emission Factor Hub 2025, IEA 2024, Public Authority (e.g. IPCC) 2025, Uk GHG Conversion Factor 2025
3. Details of the methodology used to calculate each carbon footprint source are available on the Greenly platform.

Focus on buildings



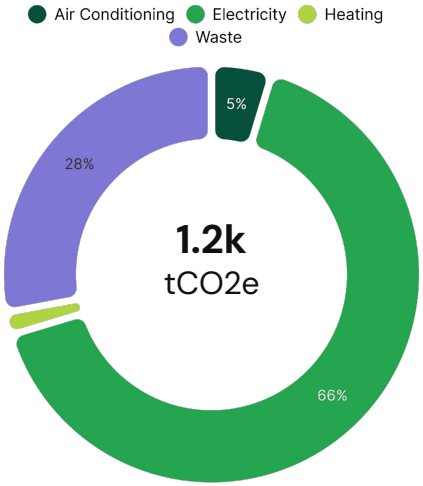
Focus on buildings

ACTIVITY ANALYSIS

Activity emissions
802 tCO2e (67%)

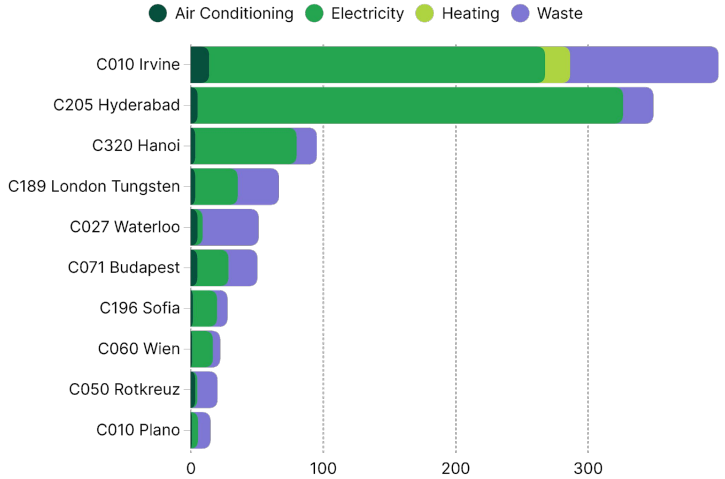
Estimated emissions
388 tCO2e (33%)

Total emissions per category (tCO2e)



9% of total

Total emissions per building (tCO2e)



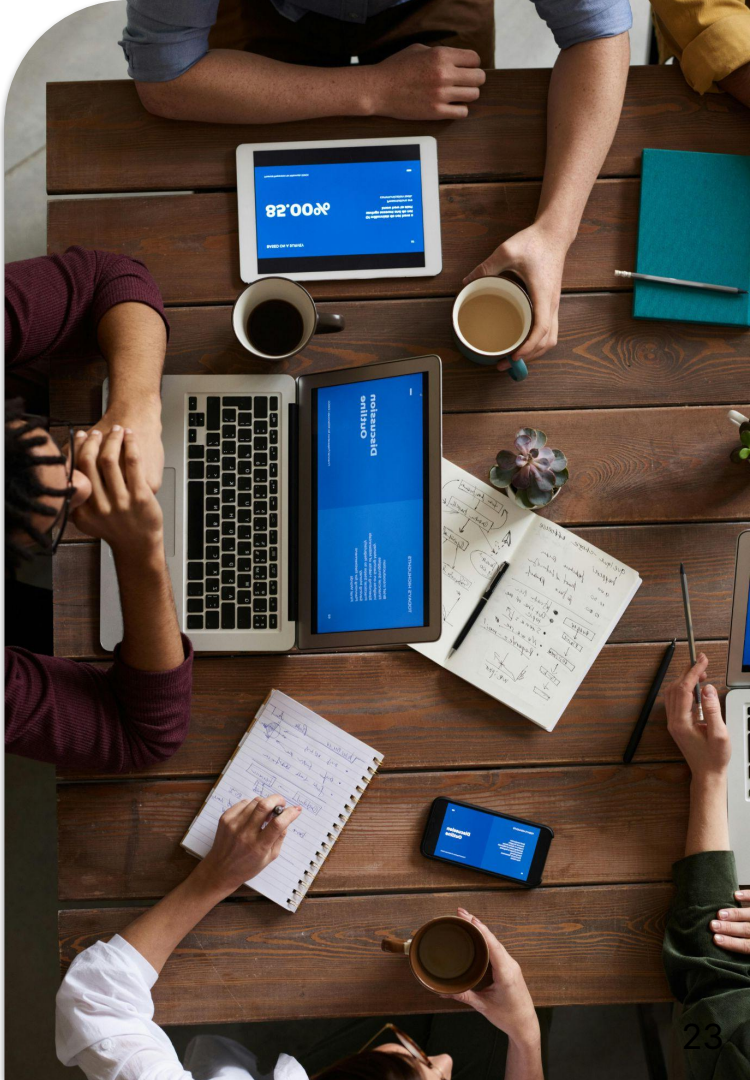
Only top 10 most emissive buildings are displayed, please visit your Greenly platform for additional details.

Methodology

1. Emissions linked to heating and energy use are calculated by multiplying (where available) the building's electricity or gas consumption by an emission factor. Failing this, an estimate is calculated on the basis of building surface area, or even the number of employees when surface area is not provided.
2. Waste-related emissions are estimated on the basis of the number of employees.
3. Air-conditioning emissions correspond to refrigerant leaks (average estimate).

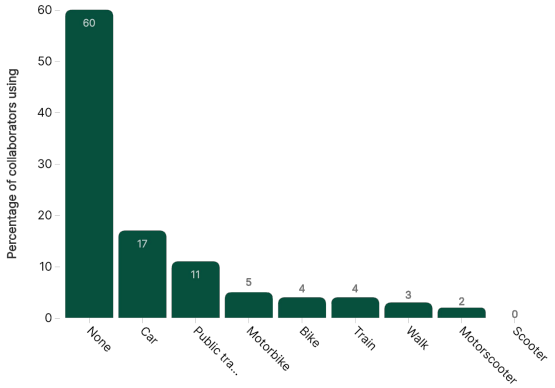
TUNGSTEN AUTOMATION greenly

Focus on employees

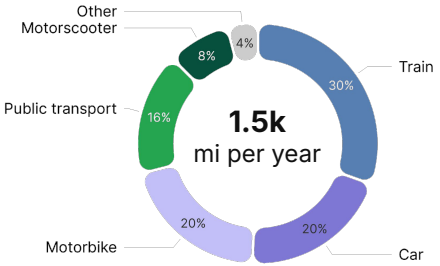


Focus on Employee Commute

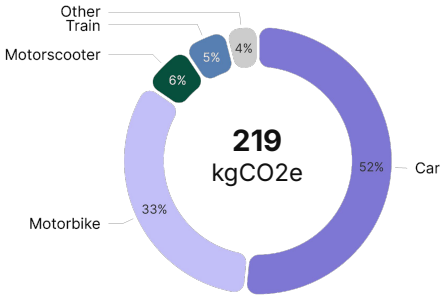
Usage of transport modes



Yearly mean distance distribution



GHG emissions (kgCO2e / employee)



On average, your employees travel 1.5k mi each year, emitting 219 kgCO2e for home-work commuting.

Methodology

Analysis is based on the employee survey, which obtained a 69% response from your employees to whom the questionnaire was sent (1.5k 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

How can I implement effective reduction actions?

To meet global targets, emissions will have to fall by **3 to 7% per year***. It's a tough target, but a necessary one!

WHAT ARE THE BEST PRACTICES FOR ACHIEVING THESE OBJECTIVES?

Communicate → **Involve** → **Engage** → **Raise awareness**

COMMUNICATE the results of your GHG assessment to all your teams so that they are on board with the process of reducing emissions.

INVOLVE management and find internal sponsors responsible for implementing reduction actions.

ENGAGE your ecosystem (suppliers and customers) and ask about their reduction strategy, in order to prioritise virtuous suppliers.

INCREASE your teams' awareness of climate change using our platform to alert and facilitate the implementation of your reduction actions.

These first steps will enable you to maximise your chances of success in implementing reduction actions.

WHAT REDUCTION MEASURES CAN MY COMPANY TAKE?

The reduction actions we recommend are selected with:

AMBITION

Some actions involve major changes, but they will bring you closer to achieving the global climate targets.

REALISM

The action plans are based on practical examples already implemented in other pioneering companies.

EFFICIENCY

Implementing them will have a real impact on your emissions in the short and long term.

*Source: IPCC

Travel and Commute



Renew your gas vehicle fleet with electric vehicles

Travel

Even though the manufacturing of an electric vehicle causes more emissions than a thermal one, in the long term, the CO2 emitted by the combustion of fuel by thermal cars are significantly greater than those from the production of electricity for the electrical car. However, this conclusion depends on the carbon intensity of the country you're located in and the usage of the vehicule. To check the carbon intensity of electricity in your country, use the website electricity maps. Hybrid vehicles can be an option too, under the condition that their electric functionalities are used as much as possible in a country with a low carbon energy mix: otherwise, they can actually have higher emissions than their thermal counterparts.

Benchmark

UPS has been transitioning its delivery fleet to electric vehicles. The company has set a target of having 40% of its ground fleet be electric by 2025 and aims to achieve 100% alternative fuel vehicles by 2040. UPS has communicated extensively about its EV adoption plans, highlighting the environmental benefits and showcasing its EV deployments in various cities.

Estimated Impact

In the worst case; the battery is produced in China and is powered with a very emitting energy mix. It then can reduce emissions by 20 to 30% compared to an equivalent thermal model. In the best case, the battery is produced and powered using a green energy mix; emissions reduction over the complete lifecycle can then reach up to 80%.

Estimated Cost

Although electric cars have a higher upfront cost, their recharging costs are far lower than those of a conventional car. Throughout their complete lifecycle, their costs become similar.

Implementation

1. IDENTIFY the thermal vehicles that are used in a context where they can be gradually be replaced by electric vehicles.
2. MAKE a benchmark of the possible electrical vehicles to buy.
3. ROLLOUT the change progressively through your vehicle fleet, and gather feedback from end-users.

Promote teleworking and carpooling

Travel

Private transportation is a significant contributor to global GHG emissions. Promoting teleworking and carpooling are valuable strategies for mitigating the carbon emissions associated with daily commuting, particularly in cases where the office is not easily accessible via active modes of transportation like walking and cycling, or public transportation. In addition, teleworking can improve employee productivity by minimizing distractions, reducing commuting stress, and increasing work-life balance.

Benchmark

Richemont achieved a 73% reduction in commuting emissions in a year by implementing a teleworking policy. This achievement was determined through a survey conducted among employees, comparing commuting emissions before and after the policy implementation.

Estimated Impact

Carpooling reduces emissions by sharing the emissions associated with the commuting journey among multiple passengers in a single vehicle, replacing individual cars. By increasing average car occupancy from the average 1.2 passenger up to 4, emissions can be divided by 4.
Teleworking limits the emissions associated with commuting per employee on the days they telework.

Estimated Cost

Potential reduction in operational costs (reduced office space, utilities, office supplies, maintenance expenses).
Additional spending on IT and digital tools are usually negligible compared to the cost savings.

Recommended Service Providers

Carployee
Comovee
Poola

Implementation

1. EVALUATE the organization's readiness for teleworking and carpooling initiatives, and there is a necessary technological infrastructure to support remote work.
2. ESTABLISH and start monitoring your KPIs (ex. percentage reduction in commuting emissions, percentage increase in teleworking adoption rates, percentage increase in carpooling).
3. DEVELOP teleworking and carpooling policies that outline guidelines, eligibility criteria, and data security measures. Provide training and resources to employees to enhance their remote work capabilities, including best practices for teleworking and carpooling.

Promote low carbon commuting means

Travel

Private transport associated with daily commuting is one of the world's biggest sources of GHG emissions. To deal with this issue, individual car use must be limited. Active modes of transport (walking and cycling), public transport, and shared mobility (carpooling and car-sharing) should be prioritized. To encourage it, you can raise awareness about alternative transportation options and provide infrastructure, facilities, and financial incentives to support these modes. Consider the possibility of your employees commuting responsibly to work when changing locations of workplace.

Benchmark

Arcadis has implemented a comprehensive strategy to address mobility, focusing on six key areas. This approach has resulted in a 49% reduction in carbon emissions related to transportation within a span of nine years. The company relocated all of its offices to main train stations, enabling easy access to public transport for employees. Additionally, every employee received a mobility card, which facilitates the use of public transport and shared bike and car services.

Estimated Impact

Using a bike instead of a car for short trips reduce travel emissions by ~75%.
Taking a train instead of a car for medium-length distances cut emissions by ~80%.

Estimated Cost

Potential costs associated with investment in infrastructures and subsidies.
Savings from lower reimbursement levels for fuel commuting.

Recommended Service Providers

Flynch mobility
Commute
Green commuter

Implementation

1. SET UP and track your KPIs (e.g., reduced car usage, lower commuting emissions).
2. Create and execute a mobility plan using case studies (e.g., Arcadis) and recommendations https://www.mass.gov/doc/guidebook/download
3. SOLICIT employees feedback through surveys, suggestion boxes, or dedicated feedback sessions to gather insights and address concerns.

Stop air travel when a 6 hours train alternative is available

Travel

Opting for train travel instead of air and car travel for short-distance trips (e.g., within a 6-hour train journey) can substantially reduce the carbon footprint of your business travel. Trains have significantly lower carbon emissions per passenger-kilometer compared to airplanes and cars. Apart from being environmentally friendly, train travel offers efficient boarding, minimal waiting times, spacious seating, and direct access to city centers, enhancing the overall travel experience.

Benchmark

Mama Loves Ya has set a goal to select train travel for 50% of its trips below 750 km by 2025 (versus 10% today). This commitment is projected to result in a 45% reduction in emissions from flights, equating to over 2t of CO2eq emissions avoided annually. Additionally, it will contribute to an 8% reduction in the company's total carbon footprint.

Estimated Impact

Taking a train instead of a car for medium-length distances would cut your emissions by ~80%. Using a train instead of a domestic flight would reduce your emissions by ~84%. From that, you can estimate the total impact of the action plan by assessing which share of your total flight emissions would be impacted.

Estimated Cost

Variable, train tickets may be more or less expensive than plane tickets or car travel depending on various factors.

Recommended Service Providers

Rome2Rio
Travel Perk
Offres entreprise SNCF
Suppertripper

Implementation

1. CONDUCT an assessment of all existing air travel routes within your organization, identify those that have a train alternative of less than 6 hours, and evaluate the feasibility of replacing air travel with train.
2. DEVELOP and enforce a clear travel policy that mandates the use of train travel instead of air travel for these routes.
3. ESTABLISH and start monitoring your KPIs (ex. total percentage reduction in air travel, percentage reduction in air travel on eligible routes, etc.).

Reduce the number of people travelling on the same mission

Travel

Reducing the number of people involved in business travel can reduce the carbon footprint of your activities. By optimising the number of employees sent on business trips, it is possible to significantly reduce the CO2 emissions associated with travel and keep costs down. What's more, better planning can improve overall efficiency.

Benchmark

Schneider Electric: The company has reduced its business travel by encouraging virtual meetings and rationalising necessary travel. When travel is unavoidable, Schneider Electric limits the number of participants.

SAP: Software publisher SAP has also reviewed its travel policy, introducing measures to reduce the number of people travelling on similar assignments. SAP prioritises essential travel and makes extensive use of videoconferencing technologies for internal and external meetings.

Estimated Impact

Having two people instead of four on the same business trip reduces the emissions linked to that trip by 50%. You can estimate the total impact of this action by assessing how much of your business travel can be optimised in this way.

Estimated Cost

Reduction in travel costs, including tickets, accommodation and living expenses, proportional to the number of people not sent.
50% of the costs with the impact estimate assumptions above.

Recommended Service Providers

-

Implementation

1. ASSESS all assignments requiring business travel. Identify missions where the number of participants can be reduced.
2. DEVELOP and apply a clear travel policy to ensure that the minimum number of people required for missions is kept to a minimum.
3. ESTABLISH and monitor your KPIs (e.g. percentage reduction in the number of passengers per mission) and the associated reduction in emissions.

Digital



Target users using wifi or during off-peak hours

Digital

Using 3G/4G/5G has a higher carbon impact than using Wi-Fi. Similarly, emissions from end-user terminal are higher during peak electricity consumption hours, where the carbon intensity of electricity can reach twice the average.

Benchmark

Over the course of three years and approximately thirty campaigns, Heineken reduced its emissions by 20% by implementing various marketing strategies. One of these strategies involved targeting Wi-Fi connections instead of 3G/4G/5G networks. Other strategies included planning advertisements to reach consumers during opportune moments such as weekends and off-peak hours and selecting of more sustainable advertising platforms and formats.

Estimated Impact

Using mobile data generates roughly 5 times more emissions than wifi connexions, and off-peak electricity can be twice as emitting as the average. Yet, keep in mind that emissions from end-user terminals represent roughly 5% of total advertisement emissions.

Estimated Cost

Targeting further users can come with a cost, depending on your digital ads provider.

Implementation

1. REVIEW your current targeting to check whether it is compatible with this action
2. CHECK the cost of implementing this action with your current ads provider
3. PERFORM A/B testing to make sure your new targeting doesn't affect your campaign performance

Improve your advertisement targeting

Digital

An advertisement that fails to reach its intended audience wastes energy and emits unnecessarily. An effective lever to avoid these effects, is to improve advertising delivery quality by continuing industry efforts to optimize ad visibility and reduce ineffective impressions. These efforts, which are often still limited to campaigns purchased on a cost-per-thousand-impressions (CPM) basis, must be extended to other buying models such as cost-per-click (CPC), cost-per-action (CPA), cost-per-install (CPI), and so on. This can be facilitated by relying on programmatic targeting.

Benchmark

In 2021, l'Oréal implemented a strategic planning of advertisements to reach consumers at the most opportune moment, and targeting the most suitable advertising platforms and formats. These initiatives, among others, resulted in campaign optimization of 40% and even improved completion rates.
Over the course of three years and through approximately thirty campaigns, Heineken has reduced its emissions by 20% by implementing specific strategies, including improving their targeting.

Estimated Impact

Emissions reduction is directly proportional to the reduction in the number of impressions of each campaign.

Estimated Cost

Targeted campaigns have a slightly higher cost than untargeted ones, depending on the criterias defining the audience.

Recommended Service Providers

Greenly can provide further insight into your current marketing emissions and shifting possibilities through a dedicated study. Contact your current provider to explore targeting options.

Implementation

1. ANALYSE the performance of your past marketing campaigns to find weak spots and opportunities for better future targeting.
2. PERFORM A/B testing to determine whether other targeting options would affect your campaign performance.
3. IMPLEMENT the new set of target and measure your global performance improvements.

Services Purchases



Implement carbon impact conditions in your service purchase policy

Services Purchases

Procuring products and services often contributes to a significant portion of a company's emissions, with supply chains accounting for over 80% in consumer companies. To effectively address this issue, incorporating eco-conditions criteria into your company's procurement policy offers a straightforward and efficient strategy. To ensure suppliers' climate maturity, engage them through the Greenly Feature, facilitating a comprehensive understanding of their Climate Maturity. These criteria can be implemented with current suppliers and incorporated into the supplier selection process for new contracts.

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.

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

Map the climate maturity of your Service Providers: Understand your supplier climate actions and maturity with the Greenly Procurement module

Implementation

1. LAUNCH the Greenly Sustainable Survey to assess suppliers' climate maturity and align their practices with your sustainability goals
2. SET and TRACK KPIs with Greenly dashboards: monitor suppliers' GHG emissions, Paris Agreement 2030 alignment, and SBTi certification.
3. SUPPORT and recognize suppliers' efforts. Offer tools, training, and resources to help them meet goals. Track and report their progress.

Energy



Sublease the office space you are not using

Energy

Excessive office space per employee results in higher GHG emissions from energy consumption, including heating and electricity. With the rise of teleworking, office spaces often exceed the necessary capacity for employees present on a daily basis. By optimizing the amount of office space per employee through subleasing vacant areas, emissions associated with energy consumption can be effectively reduced.

Benchmark

Econocom : As part of their SBTi strategy, the international IT management solution Econocom aims to reduce their scope 1&2 emissions by cutting down on unused office space by renting it out. This could result in a 20% reduction of their direct and energy related emissions.

Estimated Impact

Particularly impactful if your building electricity and heat is carbon intensive (reliance on carbon-intensive sources like natural gas).

Estimated Cost

Additional revenue generated from subletting vacant office space.
Reduction in energy costs due to the rationalization of office space per employee.

Implementation

1. ESTABLISH and start monitoring your KPIs (ex. percentage reduction in energy consumption per occupant).
2. DETERMINE the amount of space that can be subleased given remote work policies. This may involve readjusting the configuration of office space.
3. ESTABLISH subleasing procedure to find tenants that align with your company's culture and habits.

Implement an energy management system

Energy

An EMS is a software-based system used to monitor and control energy consumption within a real estate property. It can be used to track energy inefficiencies and increases in energy consumption.

Benchmark

Walmart uses an Energy Management System in all its store to reduce its consumption.

Estimated Impact

At company level, the implementation of environmental management system (EMS) help to save 90% of energy consumption, reduce 63% of C&D waste and reduce 70% of water consumption.

Estimated Cost

In North America, the cost of implement an EMS is between $30,000-$60,000 the first year but reduces consequently the following years.

Implementation

1. IDENTIFY specific energy monitoring and tracking needs.
2. COMPARE different EMS.
3. MONITOR consumption throughout the year and implement energy saving solutions.

Set up on-site solar energy production

Energy

Renewable energy can be produced on-site through various installations, and solar panels are the most common in office buildings. These panels offer the advantage of being adaptable to different environments, allowing for direct integration on roofs or façades. The decision to install solar panels can be influenced by several factors, such as available space, sun exposure, and architectural constraints. Solar panels provide a reliable and sustainable solution to reduce dependence on fossil fuels, while being tailored to the specific needs of your building.

Benchmark

Lidl : Since March 2018, Lidl Ireland and Northern Ireland converted to using only renewable electricity.
Adobe : Adobe has committed to 100% of their operations with renewable electricity from 2035.

Estimated Impact

Producing renewable energy on-site allows you to reduce your energy consumption impact significantly, with some variability depending on the renewable energy chosen (as emissions linked to the manufacturing of the production facilities vary), and the initial carbon intensity of your electricity.

Estimated Cost

In the case of on-site production, the installation and maintenance costs vary based on the chosen technology and scale. However, ongoing energy costs will be substantially reduced or eliminated. Contact a renewable energy provider to get a more precise quote.

Recommended Service Providers

Energy&+
Apex energies
Wind my roof
Contactez votre fournisseur d'énergie actuel ou votre commune pour avoir une vue d'ensemble de vos options locales.

Implementation

1. EVALUATE the feasibility of replacing your current energy systems with a on-site renewable one (infrastructure, resources, ...).
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.

Product purchases



Implement carbon impact conditions in your product purchase policy

Product purchases

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.

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.

Activities and events



Relocate your internal events to avoid (air) travel

Activities & event

Passenger travel is typically the largest contributor to emissions when organizing an event. To effectively reduce these emissions, consider choosing a location closer to the departure address or hosting a virtual conference. Trains are the most carbon-efficient mode of transportation, while planes have the highest carbon footprint.

Benchmark

In 2021, IKEA launched an updated Meet & Travel policy with standpoints on how to improve the wellbeing and life balance of their co-workers, save costs, and reduce GHG emissions by reducing unnecessary travel. Notably, they decided to prevent travel for one-day meetings and events, minimize the travel of multiple people from the same team, stipulate that regular internal meetings such as boards and management teams be held digitally for at least 40% of the time, and stream multi-day conferences.

Estimated Impact

Emissions reduction is directly linked to the distance avoided when travelling by plane. Depending on your country's infrastructure and chosen travel mode, there may be emissions associated with the alternative journey, but they will be considerably smaller compared to the emissions saved. Similarly, the emissions from IT infrastructure during an online meeting are negligible compared to even a short car ride.

Estimated Cost

Cost savings (reduction in transportation costs).

Implementation

1. ESTABLISH and monitor KPIs to follow the emission reductions for event transportation (ex. proportion of trips by train, car and flight).
2. RAISE awareness on the emission impact of travel (particularly flights).
3. ORGANIZE your events strategically, by prospecting for nearby venues that meet your needs, and setting up carbon-free public transportation solutions for your participants.



Conclusion

Conclusion

The GHG assessment made it possible to identify Tungsten Automation Corporation'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.
It has been established that direct emissions (Scope 1) and energy-related indirect emissions (Scope 2) represent a small part of a company's impact. It is therefore essential to mobilize our company's suppliers and employees.

To meet the 2015 Paris Agreement target of a 50% reduction in GHG emissions between 2020 and 2030, we need to achieve a 6.7% reduction in emissions within one year (-903 tCO2e).

The recommended next steps in Tungsten Automation Corporation's carbon strategy are:

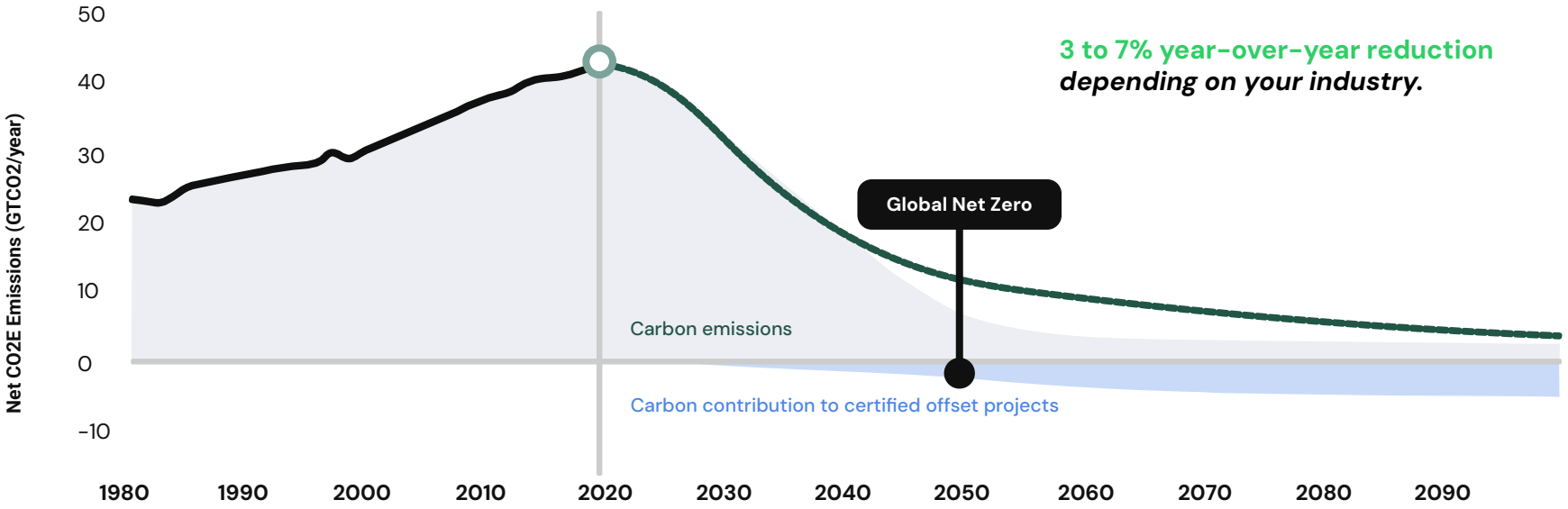
1. **Study key emission sources in greater depth,** if you opt for that. Your Climate Expert can help you decide between the different options available!
2. **Establish GHG emission reduction targets and implement an action plan** in order to achieve these targets.
3. **Engage your suppliers** using 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



TUNGSTEN AUTOMATION greenly

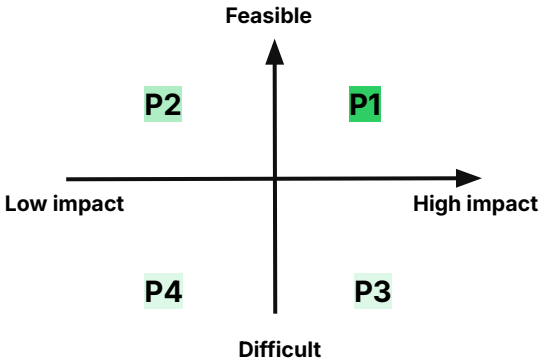
How can I build my reduction trajectory?

THE 4 KEY STAGES IN DEFINING AND FOLLOWING YOUR TRAJECTORY

Refine your greenhouse gas emissions assessment

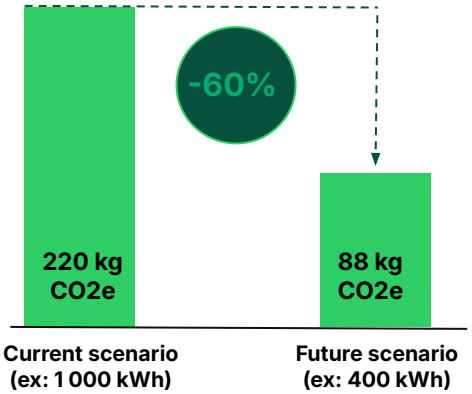
Your 2025 assessment is based on **16%** of physical data, the rest being financial data. We recommend that you regularly improve the accuracy of your greenhouse gas assessment by adding more physical data. You will be able to quantify and monitor your reductions with precise targets in km, kg, kWh, etc.

Prioritize your actions



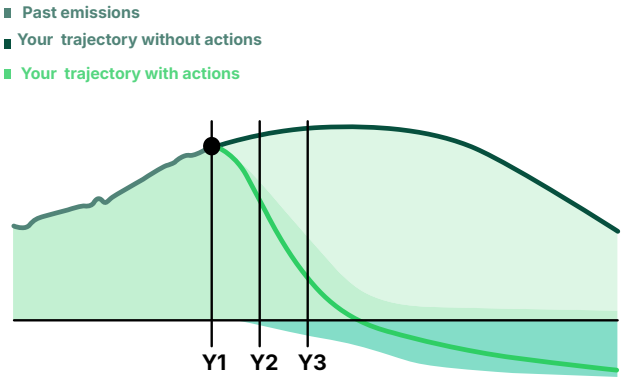
Place your actions on the matrix after identifying operational constraints in consultation with your teams.

Calculate their reduction potential



Select the right KPIs before you start, then calculate the reduction potential.

Monitor your results



Monitor your progress regularly and measure your results during your annual GHG assessment.

The 5 Pillars of a Climate Strategy

DISCOVER THE 5 PILLARS BASED ON THE NET ZERO INITIATIVE

1. Measure

- Track emissions annually
- Go deeper in the analysis of your main emission sources


Carbon data analysis


CSRD


LCA

2. Reduce

- Choose an action plan in line with the Paris Agreement
- Quantify your action plan to build a carbon trajectory


Action Plan Tab

3. Educate

- Engage your suppliers in your strategy
- Train your employees


Supplier engagement


Employee training

4. Commit

- Commit to an objective
- Communicate transparently


Communication kit

5. Contribute

- Contribute in carbon sequestration & avoidance projects to cover non compressive emissions

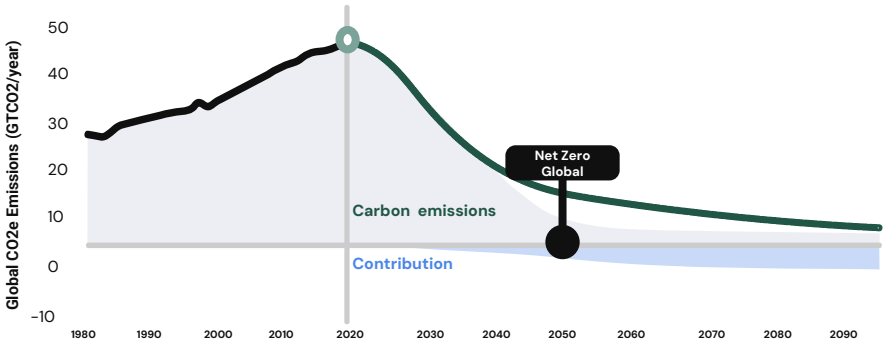

Carbon contribution

Commit to a Multi-year Carbon Trajectory

A LONG-TERM REDUCTION IN EMISSIONS IN LINE WITH THE OBJECTIVES OF THE PARIS AGREEMENT OR YOUR PERSONAL OBJECTIVES

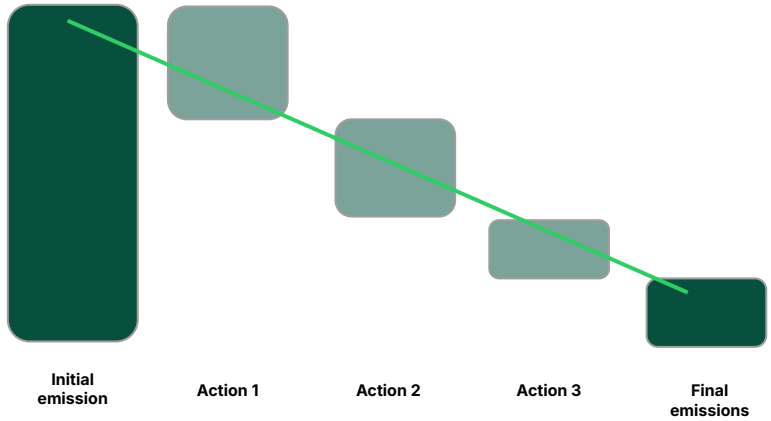
Paris Agreement Objective

-3% to -7% reduction annually



Objective Based on your Actions

Define your reduction objective based on facilitating actions

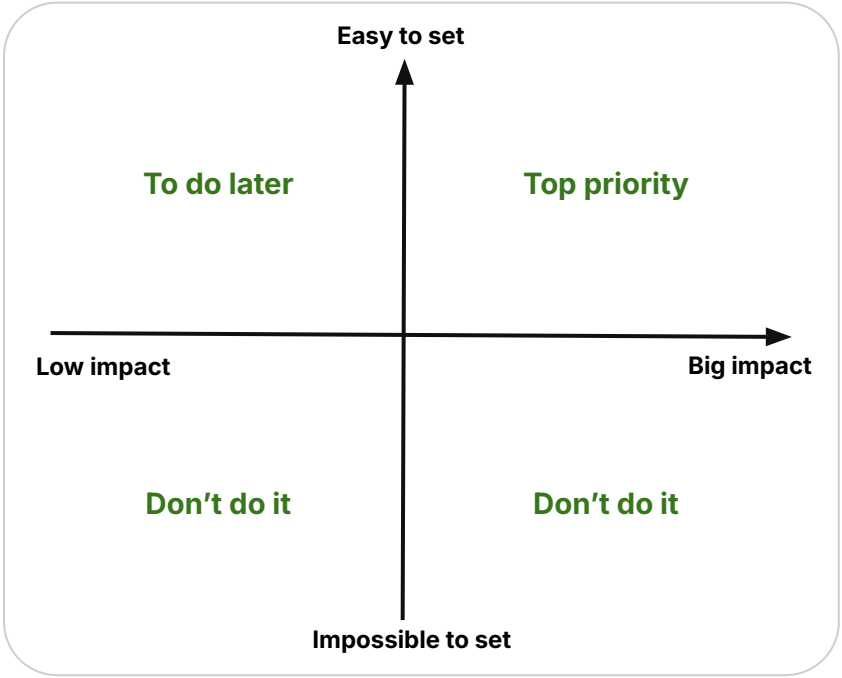


Build Your Carbon Reduction Trajectory

3 KEY STEPS TO BUILD YOUR TRAJECTORY

Prioritize your actions | Calculate their reduction potential | Optimize your trajectory

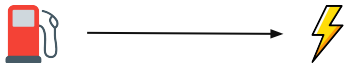
1. Bring together the stakeholders in your climate strategy
2. Place the action suggestions from the Greenly report on the matrix after identifying their constraints
3. Keep all feasible actions and prioritize those with the greatest impact



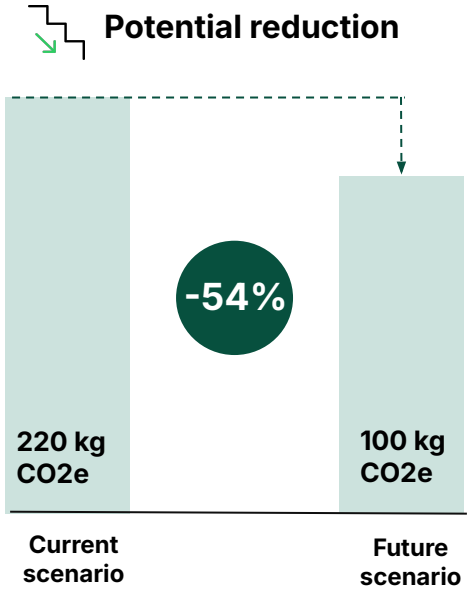
Build Your Carbon Reduction Trajectory

3 KEY STEPS TO BUILD YOUR TRAJECTORY

Prioritize your actions | **Calculate their reduction potential** | Optimize your trajectory



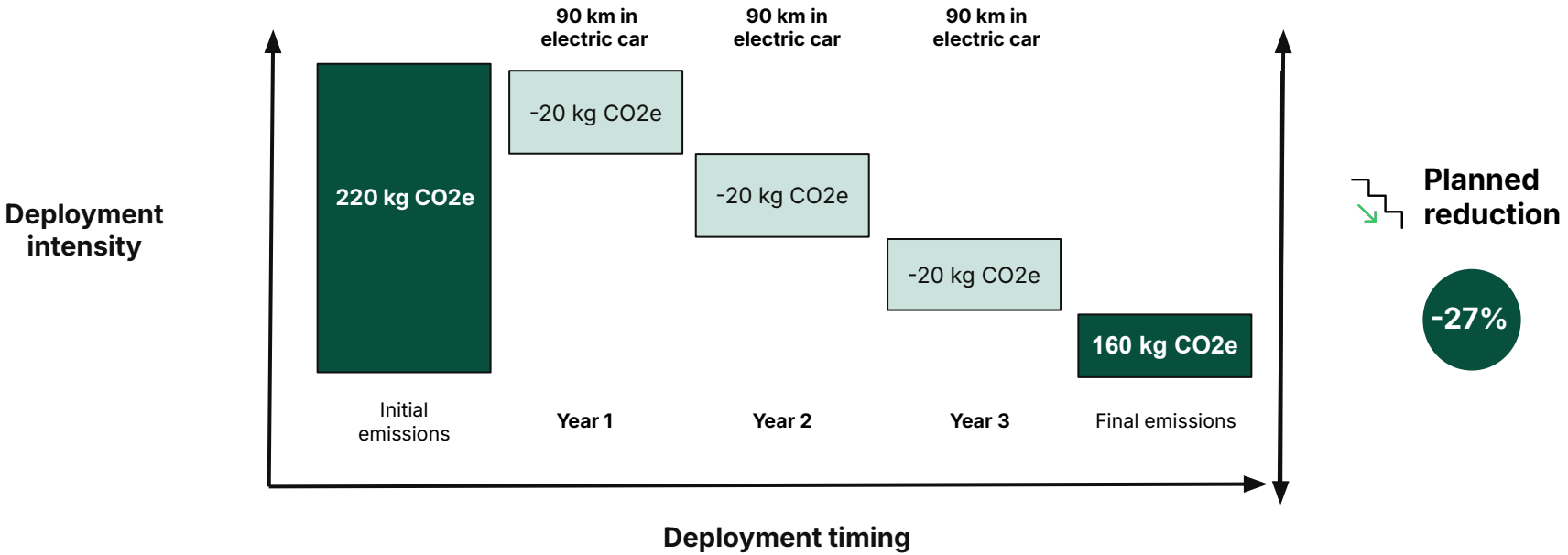
Current scenario	1,000 km per year with thermal cars	1,000 km per year with electric cars	Future scenario
Emission Factor	0.22 kg CO2e/km	0.1 kg CO2e/km	Emission Factor
Total Emissions	220 kg CO2e	100 kg CO2e	Total Emissions



Build Your Carbon Reduction Trajectory

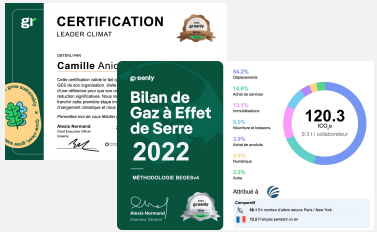
3 KEY STEPS TO BUILD YOUR TRAJECTORY

Prioritize your actions | Calculate their reduction potential | **Optimize your trajectory**



Greenly's communication support to highlight commitment

Company & Personal Certificates



Social Networks



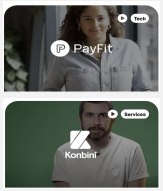
PR

Communicate on media



Customer Video Testimonials

Testimonials showcasing the work done with Greenly



Premium

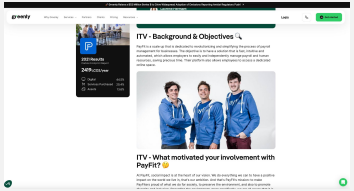
Join our community: ESG Connect

Slack Channel, afterwork, Events, Webinars

350k Members
As of August 2023

10+ Countries
including USA, UK, France, Australia etc.

Case studies



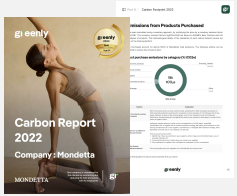
Webinar

Communicate on your results in a Webinar with a Greenly expert!



Extended Report

Get your report formatted by our marketing team



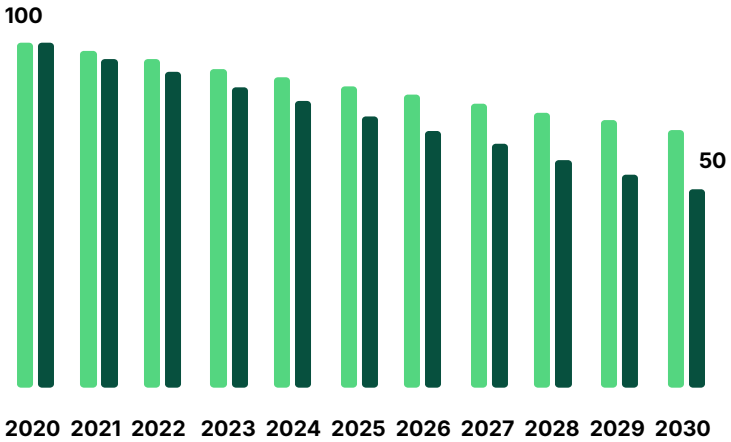
TUNGSTEN AUTOMATION greenly

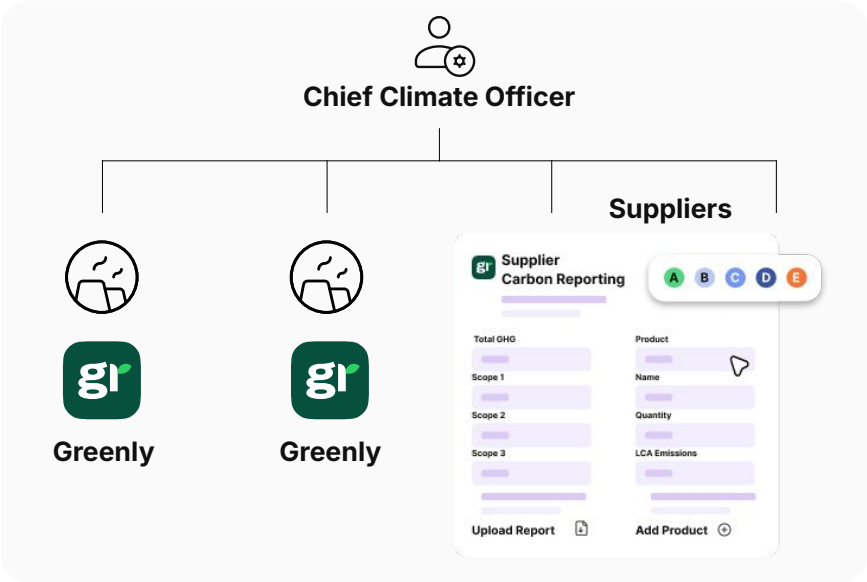
Engaging suppliers to align with the company's Net Zero targets

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





TUNGSTEN AUTOMATION greenly

Maturity of climate strategy

YOUR GREENLY CLIMATE SCORE

Greenly score criteria



Pioneers in the climate transition
< 1% of companies (Score ≥ 85)



Responsible companies
5% of companies (Score 60 - 84)



Building a company in transition
15% of companies (Score 35 - 59)



Beginners committed to the transition
30% of companies (Score 5 - 34)

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

Lack of interest in the climate
40% of companies

The statistics are drawn from the Greenly supplier and customer database, which includes several thousand companies of all sizes, sectors and geographies. For more similar statistics, consult the CDP corporate climate tracker.



The intermediate Greenly Climate Score of Tungsten Automation Corporation is 37 points

Points are distributed as follows:

Measure: **11**/40
Reduce: **24**/50
Raise awareness : **2**/20
Commit : **0**/20
Contribute: **0**/5
Bonus : **0**/20

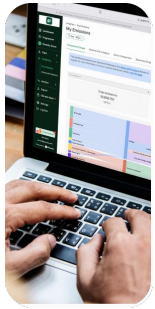
The Score will be updated at the Climate Strategy follow-up meeting.

Statistics were computed on the Greenly supplier database

TUNGSTEN AUTOMATION greenly

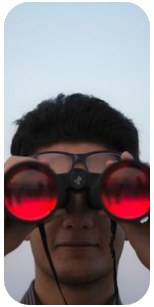
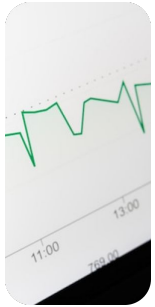
Engaging employees on Climate Change

OUR MONTHLY TRAININGS







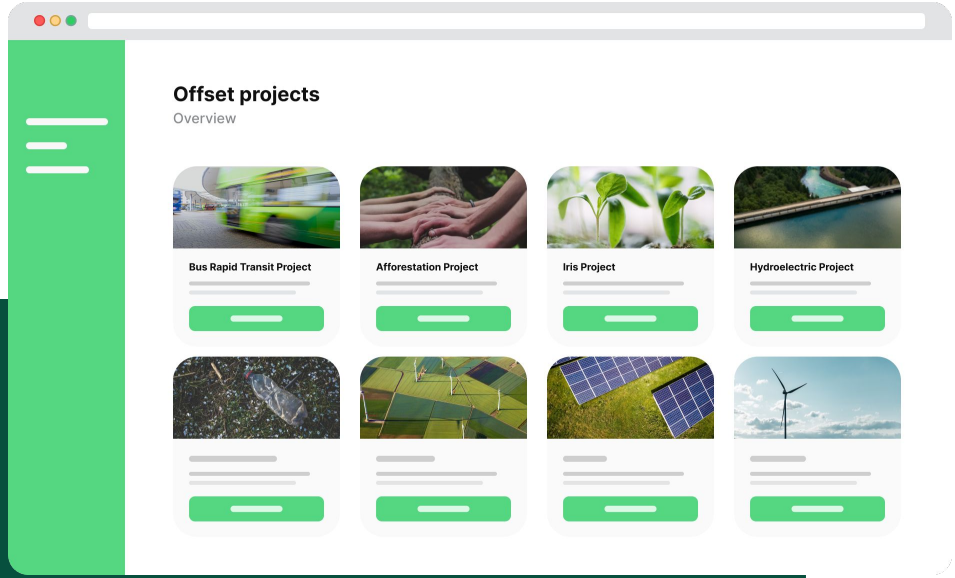



Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 12
Onboarding	Quiz 1 Climate Science	Quiz 2 IT	Quiz 3 Food	Quiz 4 Transport	Quiz 5 Energy	And more..	A look back on the year

TUNGSTEN AUTOMATION greenly

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 riverse. Gold Standard

TUNGSTEN AUTOMATION greenly

Become a Referral Partner

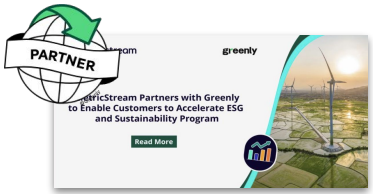
Refer customers to Greenly and use your commissions to reduce the cost of your future GHG reports.

~~10%~~ **15%**
Commission or partner discounts directly more advantageous for Greenly customers.

1 — 2 — 3

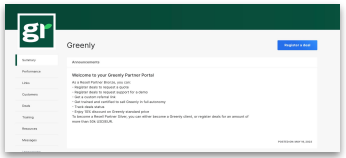
COMMUNICATE

Leverage our resources to communicate to your network



REFER LEADS

Send leads to the Greenly Sales Team



EARN REVENUE

Receive quarterly payments for your business and amortize the cost of your future reports



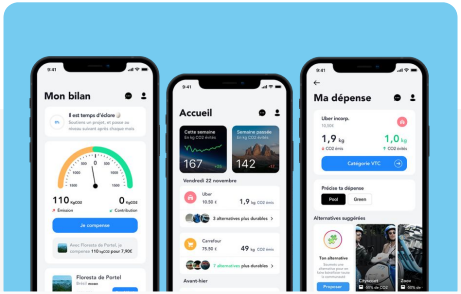
greenly



About Greenly

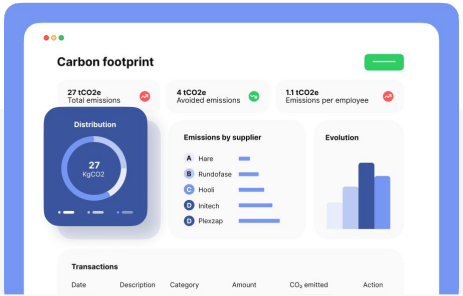
The Greenly Vision

MAKING CARBON ANALYTICS UNIVERSAL



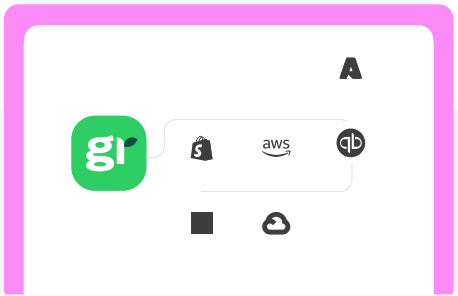
CARBON FOOTPRINT APP & API

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

TUNGSTEN AUTOMATION greenly

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.

TUNGSTEN AUTOMATION greenly

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, Konbini
Retail	bel for all for good, COURIR, LVMH, PETRA, Pernod Ricard
Services	ACCOR, Capgemini, Kéa Partners for transformation, Mediametrie, econocom
Finance	COATUE, Shell Ventures, AXA, EIFFEL INVESTMENT GROUP, BNP PARIBAS

TUNGSTEN AUTOMATION greenly

Scientific council

INDUSTRY, AI & CLIMATE EXPERTS



Pr. Michel BAUER

Sociologist
HEC
–
Corporate organisation



Nicolas HOUDANT

CEO
Énergies demain
Ex
GreenNext



Peter FOXPENNER

Professor
BU University
–
Electricity grids & Carbon expert



Pr. Yann LEROY

Professor
CentraleSupélec
–
Carbon Product Life-Cycle



Pr.Antoine DECHEZLEPRÊTRE

Professor
LSE
–
Climate change policies



Pr. Rodolphe DURAND

Professor
HEC
–
Corporation transformation



Appendix

Disclaimer

These quality controls were not automatically passed by the current carbon footprint. However, Tungsten Automation Corporation reviewed them and decided to carry on with the generation of the carbon footprint. You can see the full detail on the platform.

Greenly expert requested changes	Quality check name	Justification
Yes	Significant Year-over-Year Quantity Variation	This quality check has been validated after a discussion, see details in the platform.
No	Electricity consumption should align with average	Justification is too long and can be seen in the platform.
No	Inconsistencies in number of Employees	Remote work flexibility
No	Warnings ignored during the import of your accounting data	It covers the FY2025

Scope 1&2



Scope	Name	tCO2e	
1.1	Generation of electricity, heat or steam	18	
1.2	Transportation of materials, products, waste, and employees	-	EXCLUDED : Category is not relevant for the company
1.3	Physical or chemical processing	-	EXCLUDED : Category is not relevant for the company
1.4	Fugitive emissions	56	
2.1	Electricity related indirect emissions	614	
2.2	Steam, heat and cooling related indirect emissions	-	EXCLUDED : Emissions are not significant

To see more details of the methodology for each regulatory entry please visit Greenly!

Scope 3

100% accounted



Scope	Name	tCO2e	
3.1	Purchased goods and services	7135	
3.2	Capital goods	228	
3.3	Fuel- and energy- related activities not included in Scope 1 or Scope 2	170	
3.4	Upstream transportation and distribution	60	
3.5	Waste generated in operations	332	
3.6	Business travel	4363	
3.7	Employee commuting	565	
3.8	Upstream leased assets	3	
3.9	Downstream transportation and distribution	-	EXCLUDED : Category is not relevant for the company
3.10	Processing of sold products	-	EXCLUDED : Category is not relevant for the company
3.11	Use of sold products	-	EXCLUDED : Category is not relevant for the company
3.12	End-of-life treatment of sold products	-	EXCLUDED : Category is not relevant for the company
3.13	Downstream leased assets	-	EXCLUDED : Category is not relevant for the company
3.14	Franchises	-	EXCLUDED : Category is not relevant for the company
3.15	Investments	-	EXCLUDED : Category is not relevant for the company
4.1	Other emissions - Emissions from biomass (soil and forests)	0	

Scope 1&2



Scope	tCO2e	tCO2b	CO2f*	CH4f*	CH4b*	N2O*	Other GHGs*
1.1	18	0	17	1	0.04	0.4	0
1.2	-	-	-	-	-	-	-
1.3	-	-	-	-	-	-	-
1.4	56	0	0	0	0	0	56
2.1	614	226	525	31	29	28	0
2.2	-	-	-	-	-	-	-

* Results expressed in tons of CO2e

Scope 3



Scope	tCO2e	tCO2b	CO2f*	CH4f*	CH4b*	N2O*	Other GHGs*
3.1	7135	0	6155	640	10	242	88
3.2	228	0	228	0	0	0	0
3.3	170	452	120	40	2	10	0
3.4	60	0	52	4	0	4	0
3.5	332	0	243	26	0	64	0
3.6	4363	0	3788	299	0	276	0
3.7	565	0	494	35	0.7	31	5
3.8	3	0	3	0	0	0	0
3.9	-	-	-	-	-	-	-
3.10	-	-	-	-	-	-	-
3.11	-	-	-	-	-	-	-
3.12	-	-	-	-	-	-	-
3.13	-	-	-	-	-	-	-
3.14	-	-	-	-	-	-	-
3.15	-	-	-	-	-	-	-
4.1	0	0	0	0	0	0	0

* Results expressed in tons of CO2e



Contact us

support@greenly.earth

www.greenly.earth