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THE FUTURE IS
sustainable



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Decarbonize

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Nice to meet you, we are **Decarbonize**

At Decarbonize, we help businesses, events, and individuals measure, reduce, and offset their carbon footprint.

We offer climate neutrality certifications and carbon credits from sustainable projects.

We facilitate emissions management in supply chains and provide verifiable seals to support sustainability commitments.



A solution created by experts.

Our partners



CLAUDIA BETHLEM
Greenhouse Gas
Calculation Specialist



DIEGO CHING
Greenhouse Gas Mitigation
Specialist



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Greenhouse Gas
Calculation Engineer



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ANTONIO PORTINHO
Co-founder



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Co-founder

ENGIE, the largest company generating 100% renewable energy in Brazil, is a partner of Decarbonize. It has about 10 GW of its own installed capacity across 77 plants, sourced exclusively from renewable sources.

InnoEnergy has supported over 500 innovations in sustainable energy and invested in more than 200 companies, all on track to generate €110 billion in revenue and cumulatively save 2.1 gigatonnes of CO₂e by 2030.

Be part of this virtuous ecosystem!





We work to make your activities more sustainable

We believe that through education, transparency, and action control, we can help events, businesses, and individuals develop more sustainably.



Our purpose:

Decarbonize was created to educate, calculate, and offset carbon emissions.



Our goal:

To help everyone better understand the impact of their emissions and how to effectively reduce them.



Our values:

Respect for people and the environment is the foundation of our principles.

Commitment and responsibility for a sustainable future

We provide our clients with the knowledge and tools necessary to make strategic decisions that drive sustainability.

Our approach is based on:

Data



Accurate and reliable information to measure, manage, and reduce environmental impact.

Transparency



Clear and verifiable processes that ensure trust and regulatory compliance.

Collaboration

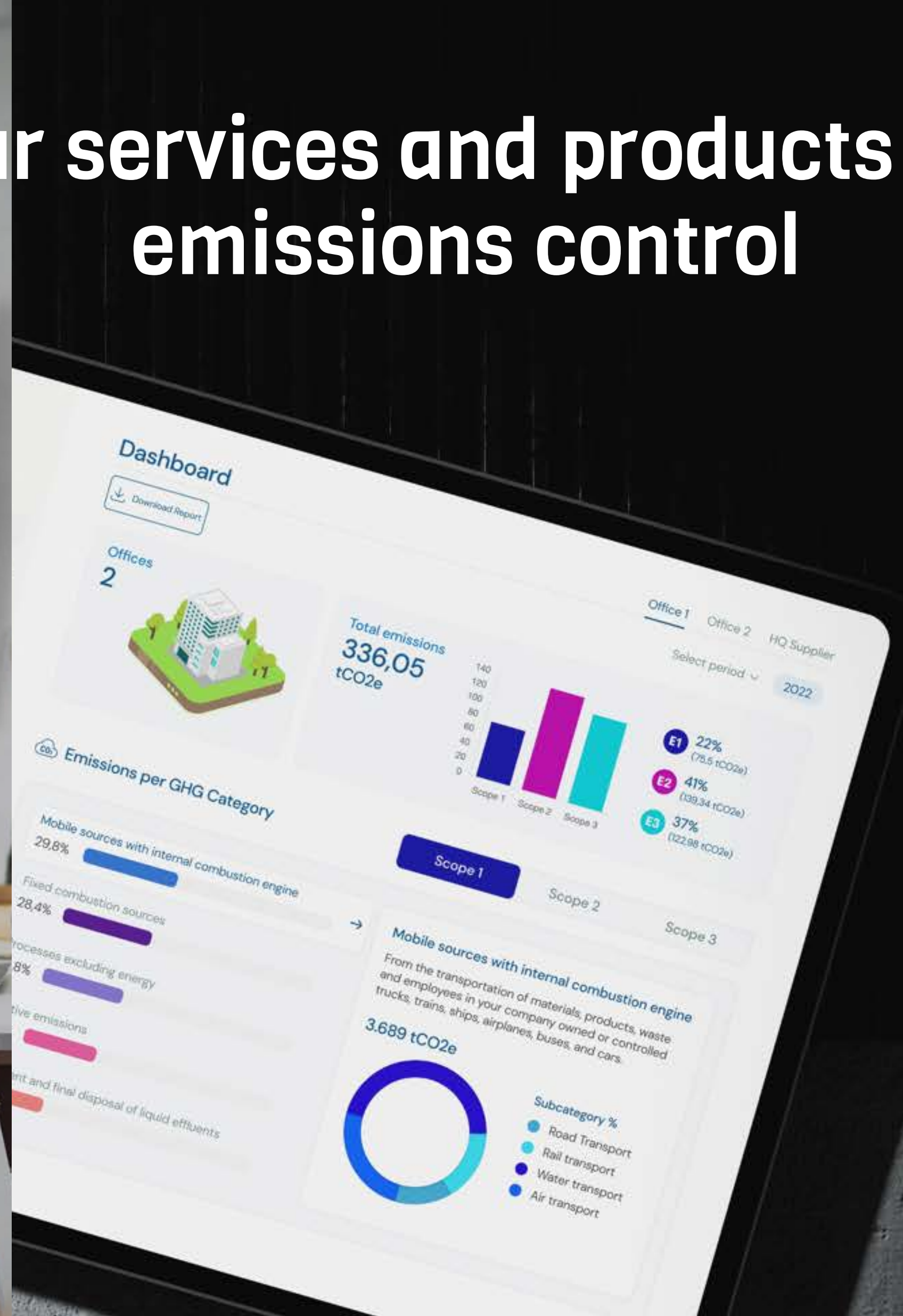


We work together with businesses and organizations to promote effective and sustainable solutions.

Our services and products for emissions control



Companies



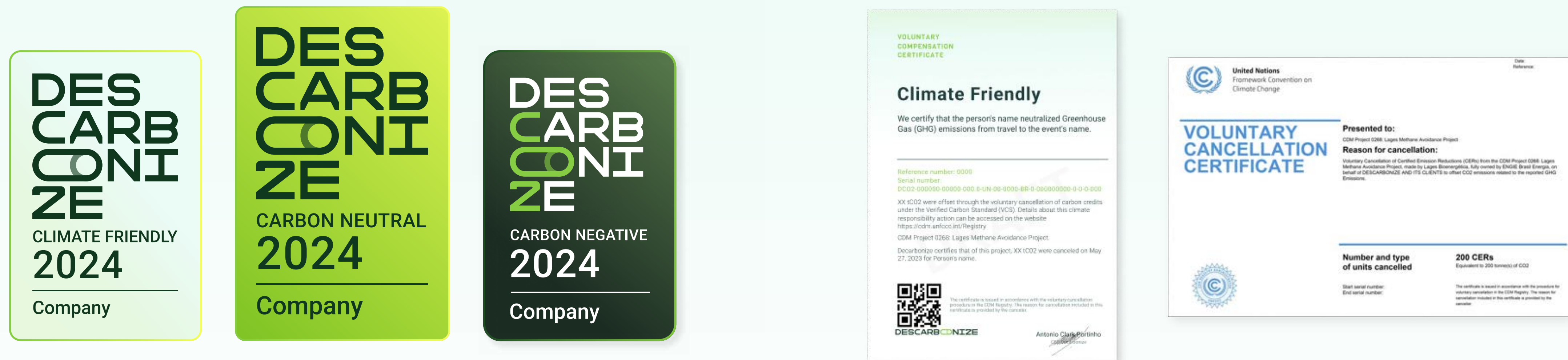
Software



Events

Badges and certificates

Your company can offset part or all of its emissions. By doing so, you will receive a badge for your offsetting, along with a certificate that demonstrates the amount of offset emissions and the renewable energy sources from which they originate.



Badges

- **Climate Friendly:** partial impact offsetting
- **Carbon Neutral:** total impact offsetting
- **Carbon Negative:** offsetting double the carbon footprint

Offset Certificate

- Audited and registered with the UN
- Traceable

If you wish to create an even more positive impact: you can also choose to offset your emissions.

Our carbon credit sources come from renewable energy projects that demonstrate a strong socio-environmental commitment, aligned with the UN Sustainable Development Goals (SDGs). Additionally, all sources are certified by the United Nations under the Clean Development Mechanism (CDM)

Examples from our current portfolio:



Trairi wind farm

Ceará - Brazil

These turbines generate carbon credits by avoiding greenhouse gas emissions.



Biomass plant

Santa Catarina - Brazil

The plant generates carbon credits by avoiding methane emissions from biomass decomposition.

 We are working on adding new projects from different sources and geographies.



A social impact through socio-environmental projects

Our credits not only allow companies to offset their CO₂ emissions but also fund socio-environmental initiatives in the communities where they operate.

For example, in 2024, ENGIE invested R\$ 18.6 million in socio-environmental projects and R\$ 6.9 million in employee training, promoting local development and sustainability.



*The Sustainable Development Goals (SDGs) - established by the UN - are global targets to tackle social, environmental, and economic challenges by 2030. They aim to improve quality of life and promote sustainable development in 17 specific areas.



Companies





Why calculate your company's carbon footprint?

- ✓ **Regulatory compliance:** Ensures adherence to environmental regulations and international standards.
- ✓ **Corporate image improvement:** Enhances your reputation and attractiveness to customers and investors committed to sustainability.
- ✓ **Operational efficiency:** Identifies opportunities to optimise processes and reduce costs.
- ✓ **Access to sustainable markets:** Facilitates participation in tenders and strategic alliances with responsible companies.

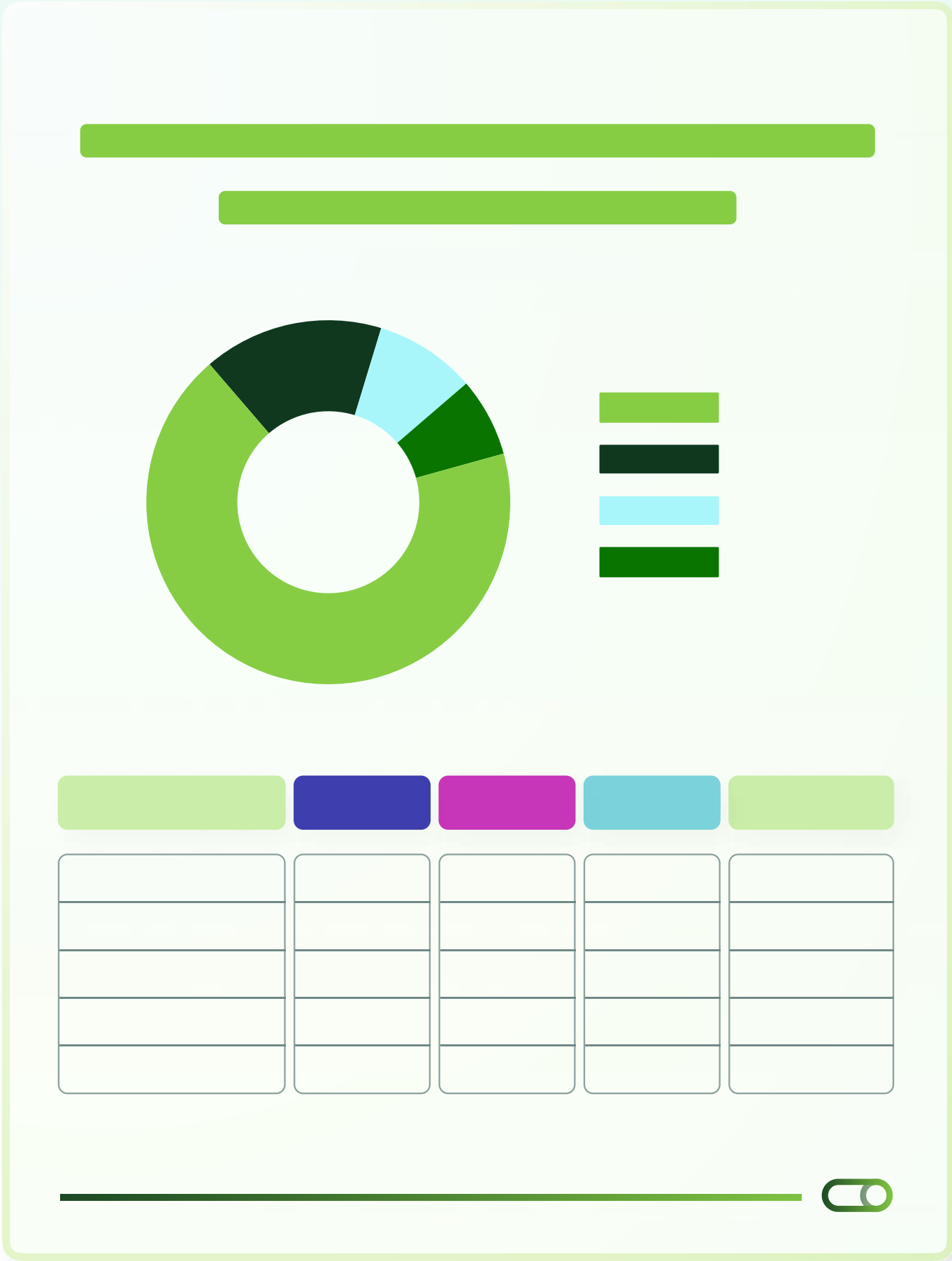
What services do we offer?

Annual carbon footprint calculation

We analyse all direct and indirect emissions generated by your company in a year, using recognised methodologies such as the GHG Protocol and ISO 14064. With this information, you can identify reduction opportunities and demonstrate your commitment to sustainability.

Carbon emissions inventory

We conduct a detailed inventory of emissions in Scopes 1, 2, and 3, allowing you to accurately understand your company's environmental impact. This record is essential for certification in decarbonisation programmes and compliance with environmental regulations.



How we calculate CO2 emissions

We calculate data related to the company's activities, energy consumption, employees, suppliers, among others (scopes 1, 2, and 3), to arrive at an inventory.

Scope 1:

Direct Greenhouse Gas (GHG) emissions that the organisation owns. Emissions from production processes and company vehicles.



Scope 2:

Indirect emissions related to electricity purchased by the organisation. Electricity bought from utility companies.



Scope 3:

Indirect emissions from sources not directly controlled by the organisation. Transportation from suppliers and waste disposal.



Software

Sustainable supply chain management



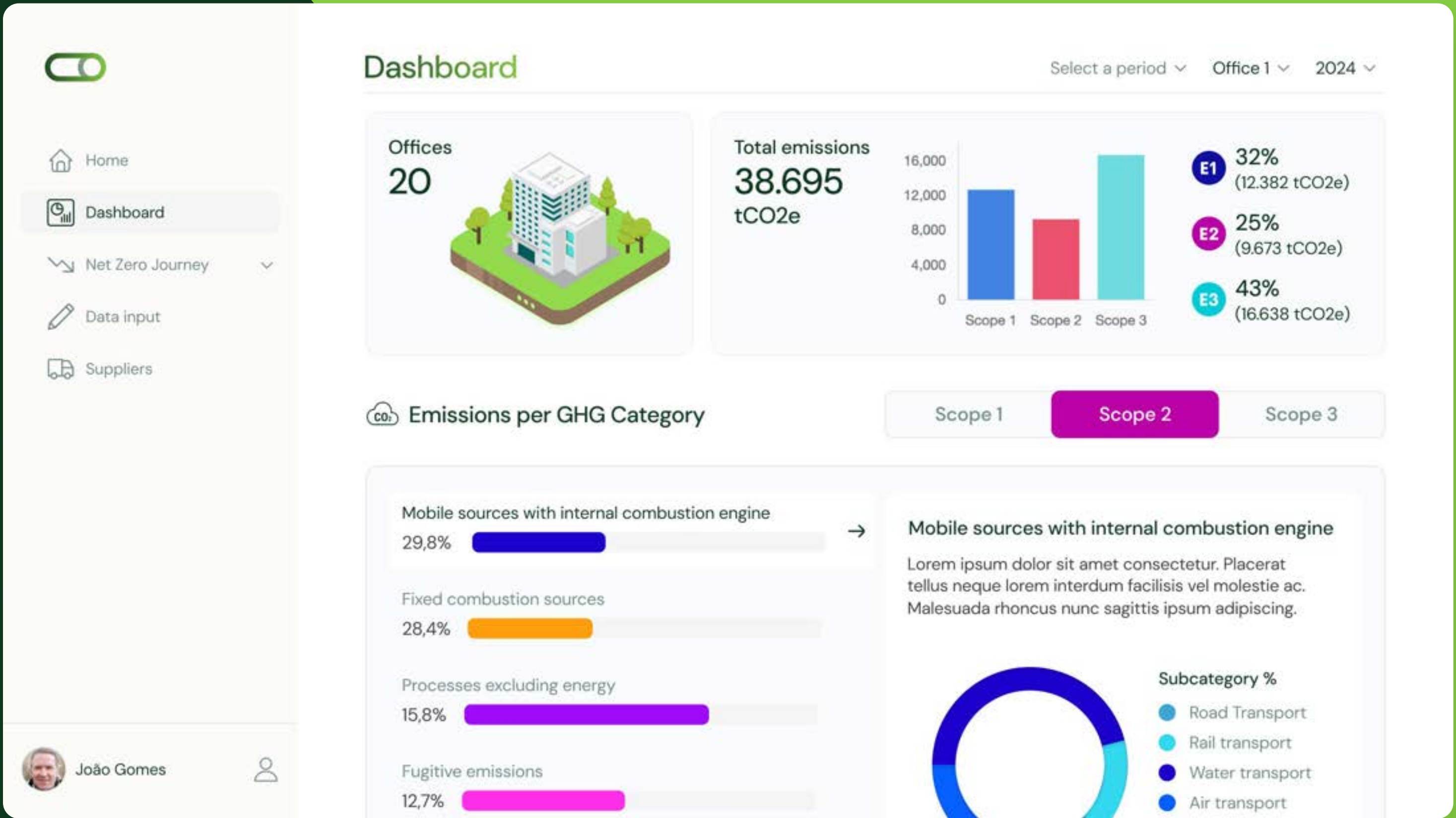
SOME COMPANIES THAT TRUST OUR SOLUTION:



Why Descarbonize?

One of the biggest challenges for companies is measuring Scope 3 emissions related to the supply chain.

Descarbonize automates the calculation of these emissions through a white label software for your company.



1 Input and Calculation

Organizations can **customize the tool and invite their suppliers** to enter and analyze emissions data, providing a detailed **view of operations and identifying CO₂ emission sources** at each stage of the production chain, from start to finish.



 Home

 Dashboard

 Net Zero Journey ^

 Data input

 Account

 João Gomes 



Scope 1

Direct emissions from from mobile sources with internal combustion engine

Direct emissions from mobile combustible sources refer to the release of pollutants and greenhouse gases directly into the atmosphere from the transportation of materials, products, waste and employees in your company owned or controlled trucks, trains, ships, airplanes, buses, and cars.

Total emissions
7.156,15 tCO2

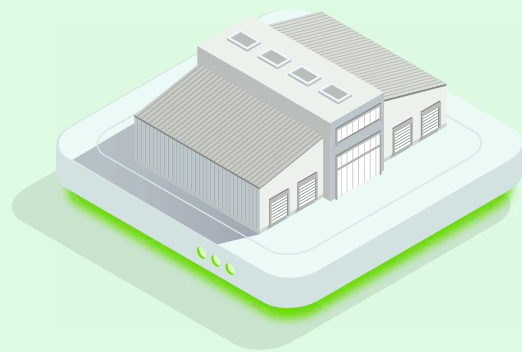
Verified data
35% 

 Road transport by type of fuel ^

Fossil fuels, formed from ancient plants and animals over millions of years, are carbon and hydrogen-rich resources extracted from the Earth's crust.

Add data +

Editar	Data inicio	Data fim	GHG Category + Name	Activity Data	Unidades
 	01/Jan/23	31/Dec/23	Gasolina Automotiva (com)	965.888,00	litros
 	01/Jan/23	31/Dec/23	Gás Natural Veicular (GNV)	254.900,00	metro cubico
 	15/Apr/23	15/Sep/23	Óleo Diesel (comercial)	1.258.744,00	litros



Supplier A

O&M Company with two offices (service centres), dedicating 80% and 10% respectively of their resources to serve your company.

Office 1

Total emissions:
800 T CO₂ eq (Scopes 1, 2 and 3)

Attributable to your company:
 80%

Office 2

Total emissions:
3,970 t CO₂e

Attributable to your company:
 10%



Supplier B

Service company providing consultancy services worth 35% of your company's total annual revenue.

Department 1

Total emissions:
1,560 T CO₂ eq

Attributable to your company:
 35%



Supplier C

Construction company that will build two power plants simultaneously, one of which your company will be the sole owner.

Project 1

Total emissions:
1,200 t CO₂ eq

Attributable to your company:
 0%

Project 2

Total emissions:
2,620 t CO₂ eq

Attributable to your company:
 100%

Your company



Supply chain emissions

4,203 t CO₂ Eq

Supplier A

Office 1

640 T CO₂ eq

Office 2

397 t CO₂ eq

Supplier B

Department 1

546 T CO₂ eq

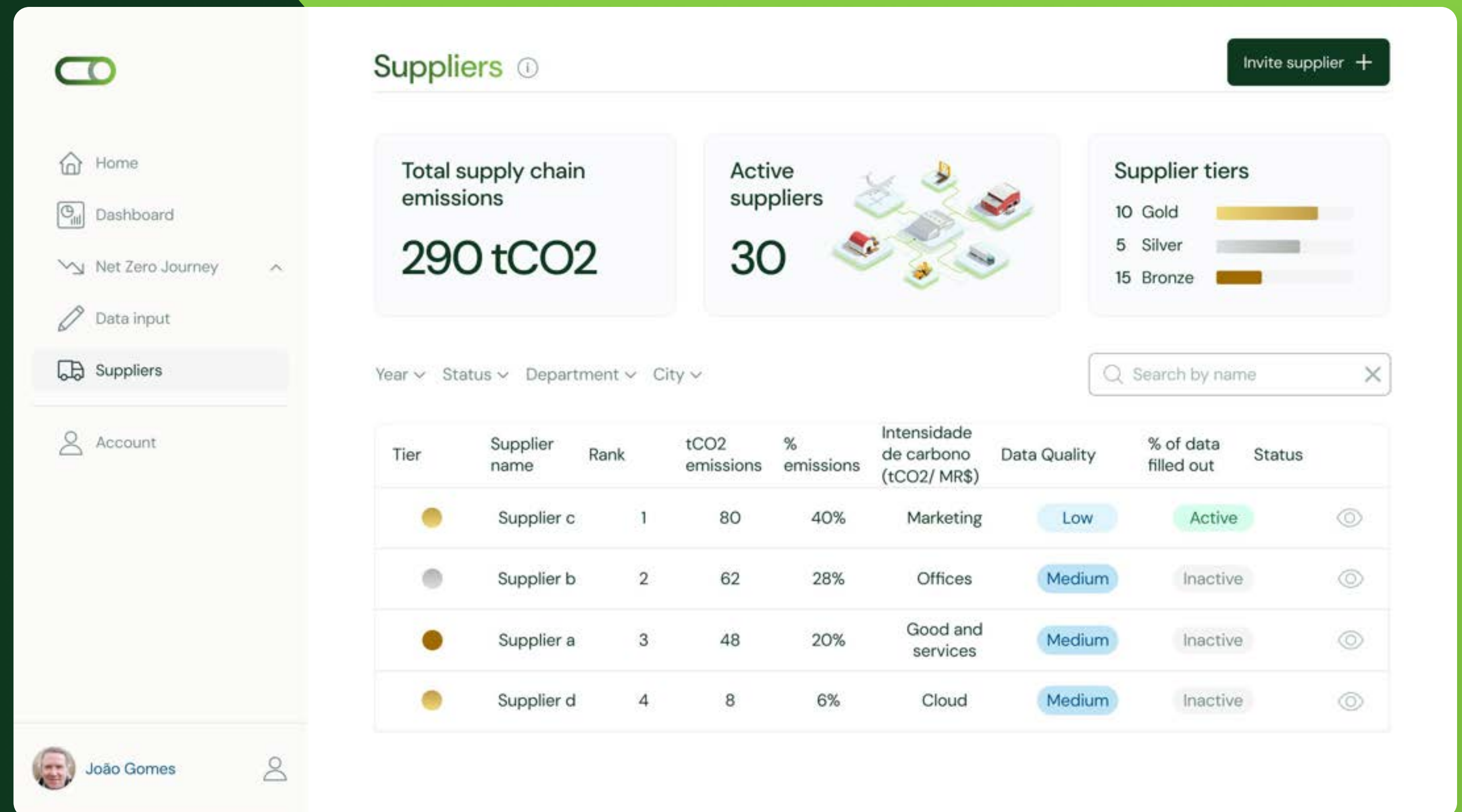
Supplier C

Project 2

2,620 t CO₂ eq

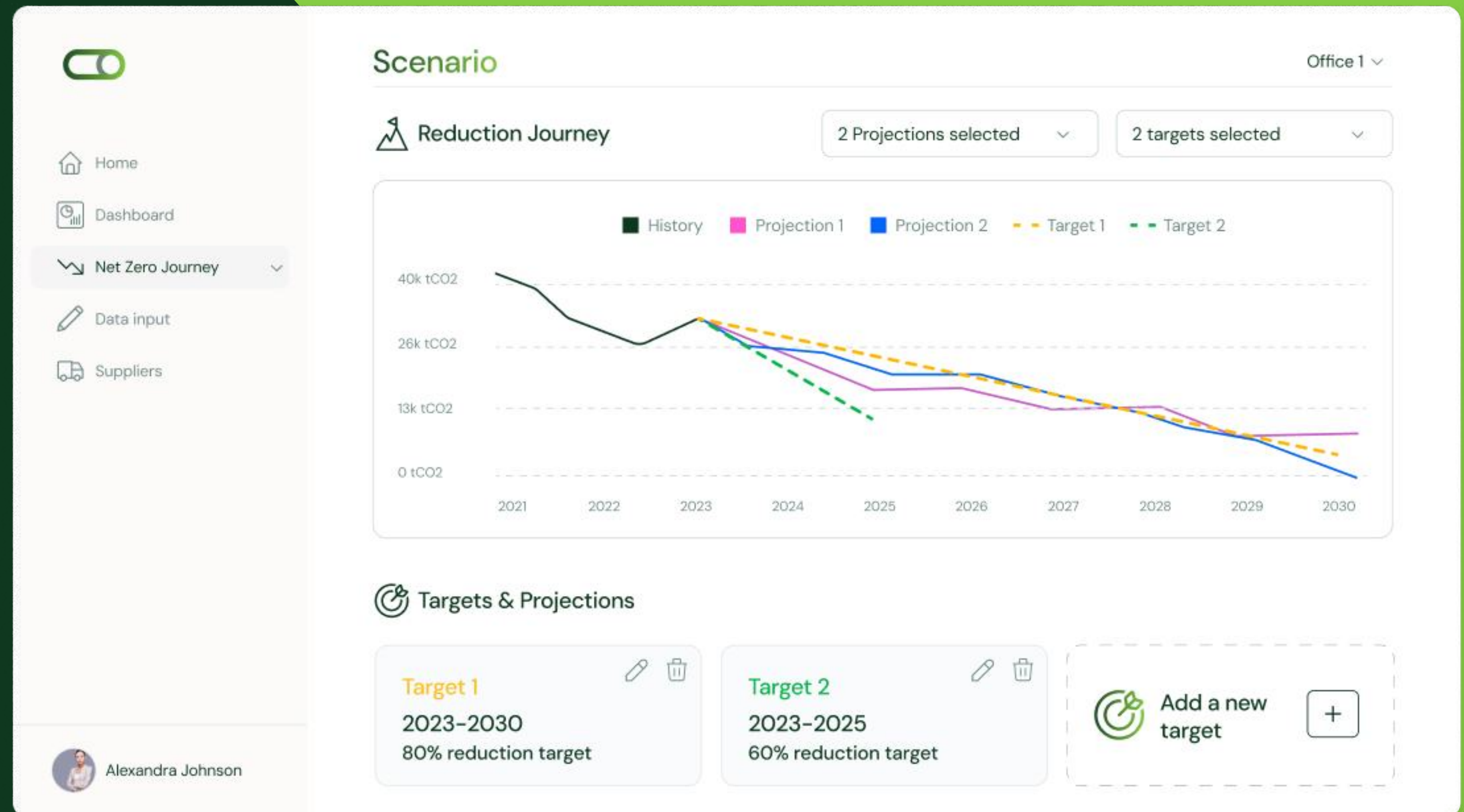
2 Control of emissions from your supply chain

We conduct a sensitivity analysis to identify which **activities** and **suppliers** have the greatest impact on total emissions. This helps prioritize areas for improvement.



3 Reduction plan

The software allows for projecting detailed scenarios for emission reduction through the selection of **customised actions** proposed by the platform, based on recorded data and the identification of the main emission sources.



Benefits that Descarbonize offers to companies:



1. **Regulatory compliance:** Facilitates emissions reporting in accordance with European directives and the GHG Protocol, ensuring transparency and accountability.



2. **Reduction of environmental impact:** Identifies critical points and opportunities to minimise emissions, helping companies mitigate risks and optimise their operations.

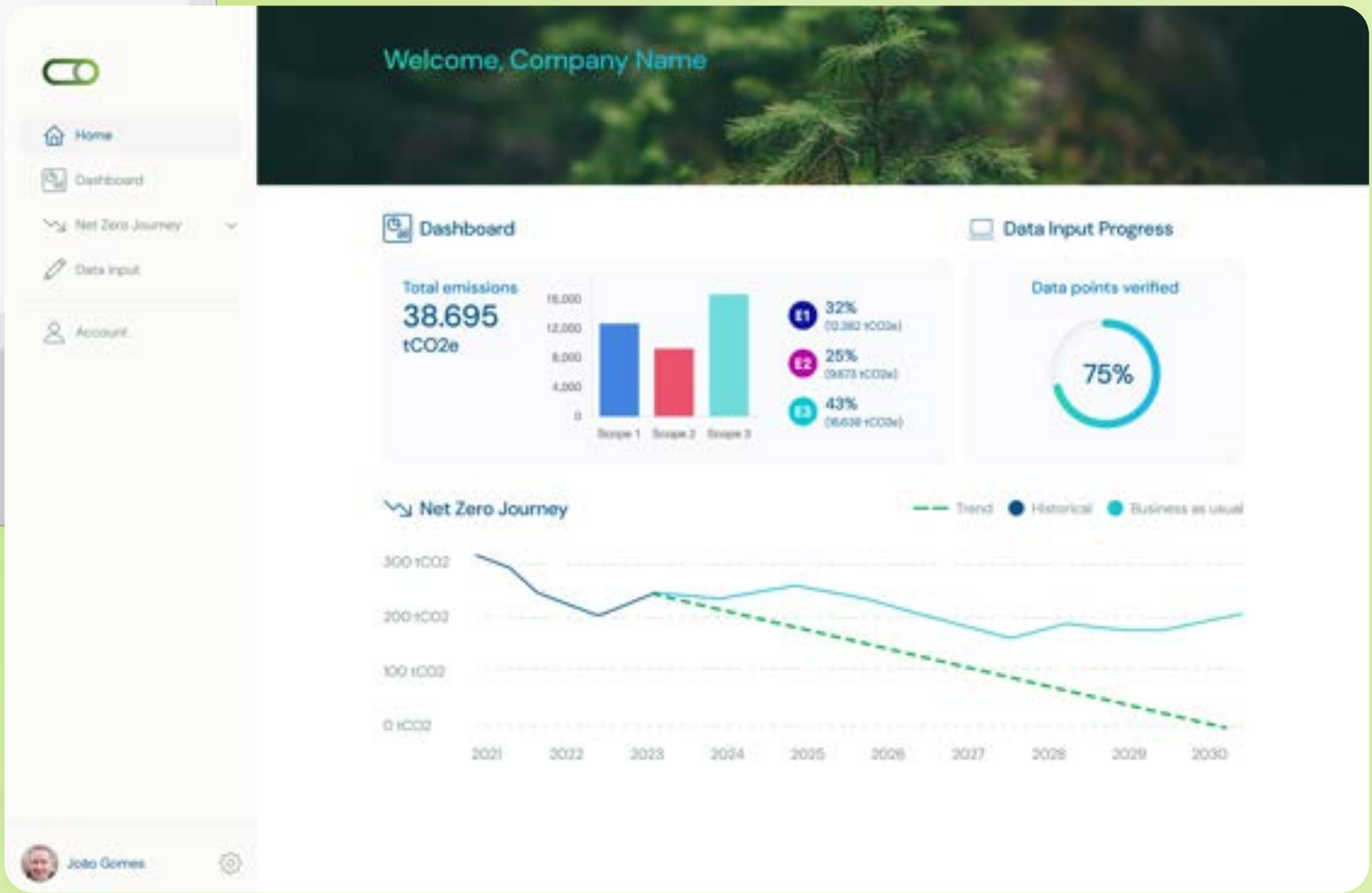
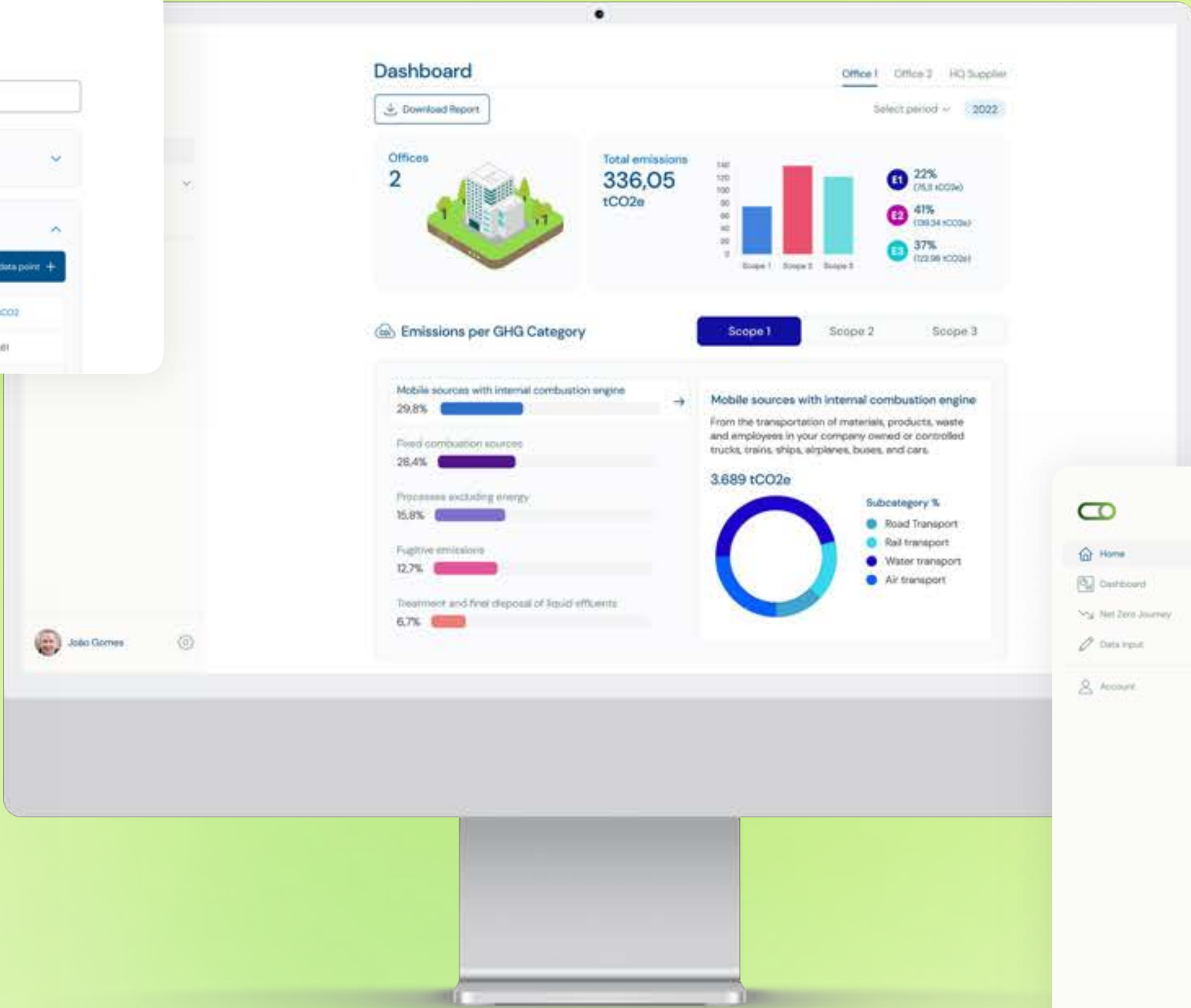
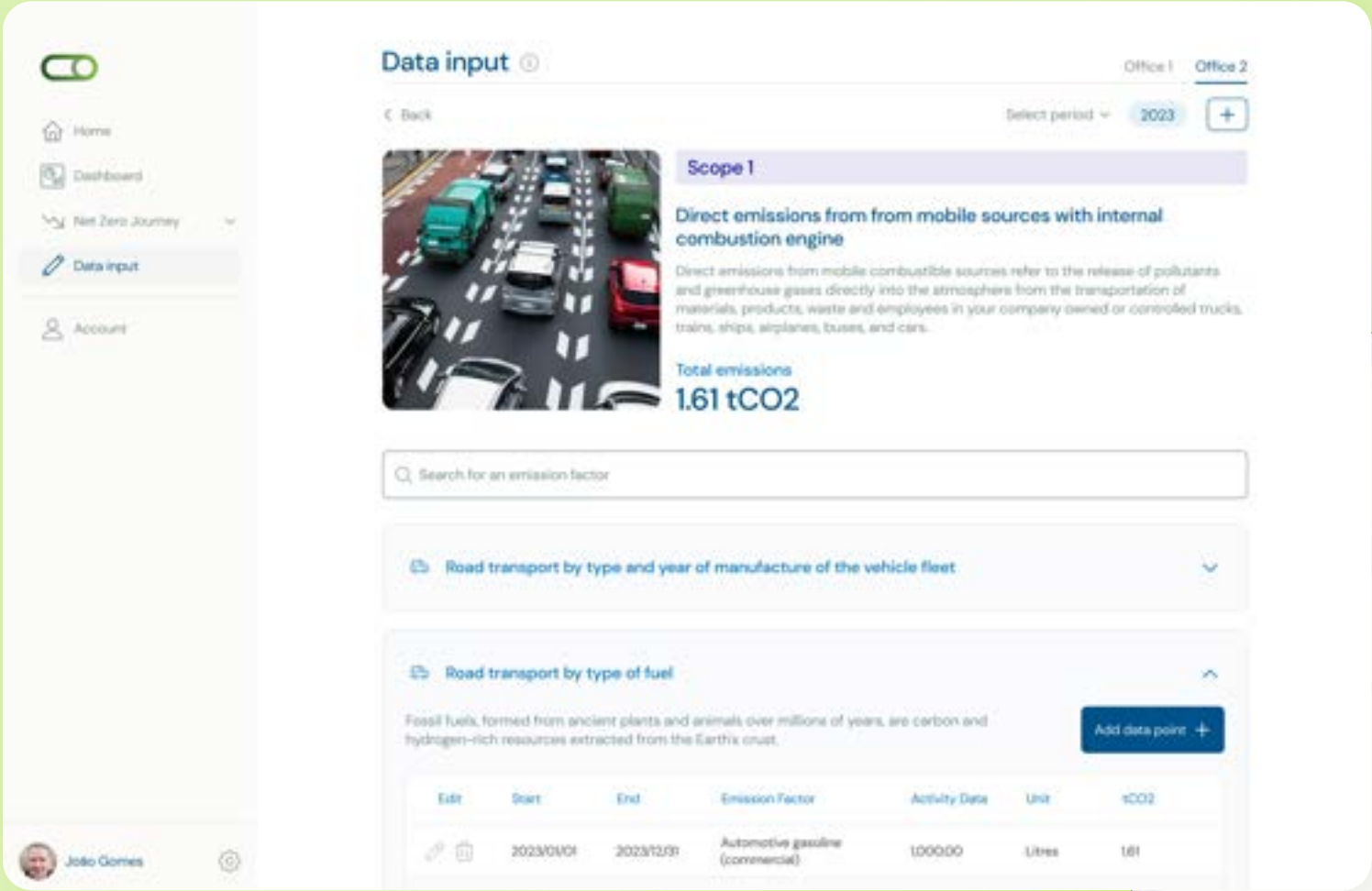


3. **Access to incentives and carbon credits:** Allows the integration of verified offsets with UN-certified credits, aligning corporate strategies with Net Zero standards.



4. **Ease of implementation and scalability:** The platform adapts to multiple organisational levels, providing an intuitive and secure experience for data management.

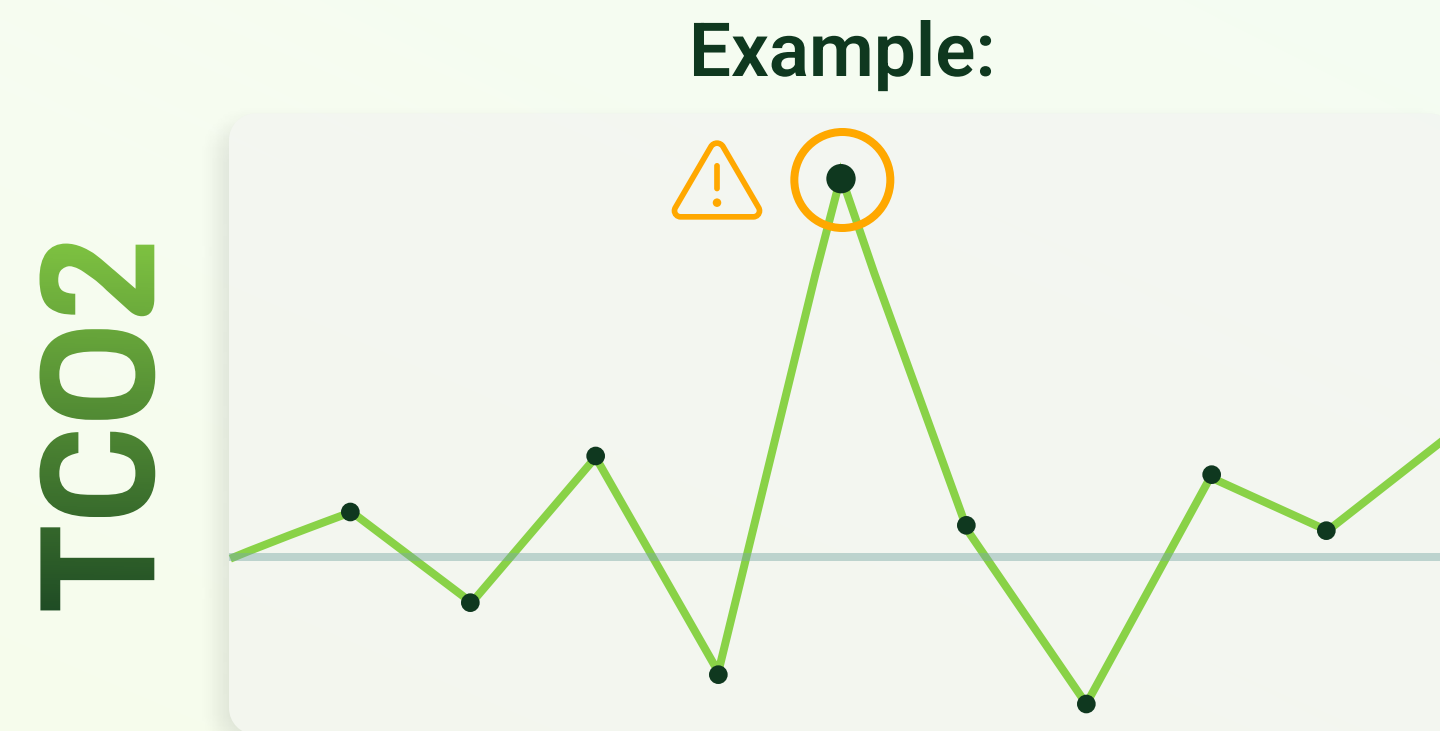
Cloud-based Platform



Machine learning and intelligence to tackle data challenges

Analysis, rule setting, and alerts

- Our system analyzes raw data to detect patterns and anomalies
- Together with you, we define rules: averages, ranges, and alerts to clean data
- We ensure that only valid data is counted as emissions



The platform analyzes thousands of data points that detect out-of-range values and you are informed of anomalies to be corrected "at the source"

Image recognition for invoices

- We have developed a system to extract information from invoices

Invoice

Date:

Address:

Invoice number:

Description	Quantity	Price

Subtotal

Taxes

Total

→ **500 TCO2**

- Monitors frequency and expected values based on your historical information
- This system ensures that updated information is accounted for as emissions

Events



How we calculate CO2 emissions

Our experts conduct an individual survey to collect data from each event.

The GET methodology (Green Events Tool) is the basis that Descarbonize uses to calculate the greenhouse gas (GHG) emissions associated with events.

Reliable and internationally accepted

The GET protocol is widely recognized and accepted internationally for its compliance with GHG protocol standards.

International standards

The methodology is the result of a collaboration between:

- Secretariat of the UNFCCC (United Nations Framework Convention on Climate Change)
- UNEP (United Nations Environment Programme)
- GORD (Global Research and Development Network on Sustainability)



Pre-event

01.

Essential information is collected to perform an estimated and initial calculation of the emissions that may occur.

02.

An emission factor is assigned to each unit of emission, following the guidelines of the GHG protocol (Greenhouse Gas Protocol).

03.

This factor reflects the estimated amount of emissions associated with each action or activity, such as:



Energy consumption



Transport



Waste

During

Assistance and monitoring

We promote continuous monitoring to record any significant changes or adjustments that may occur.

Descarbonize guides and provides assistance throughout the process.

Post-event

Review

At this stage, the data is re-evaluated and any additional information is considered.

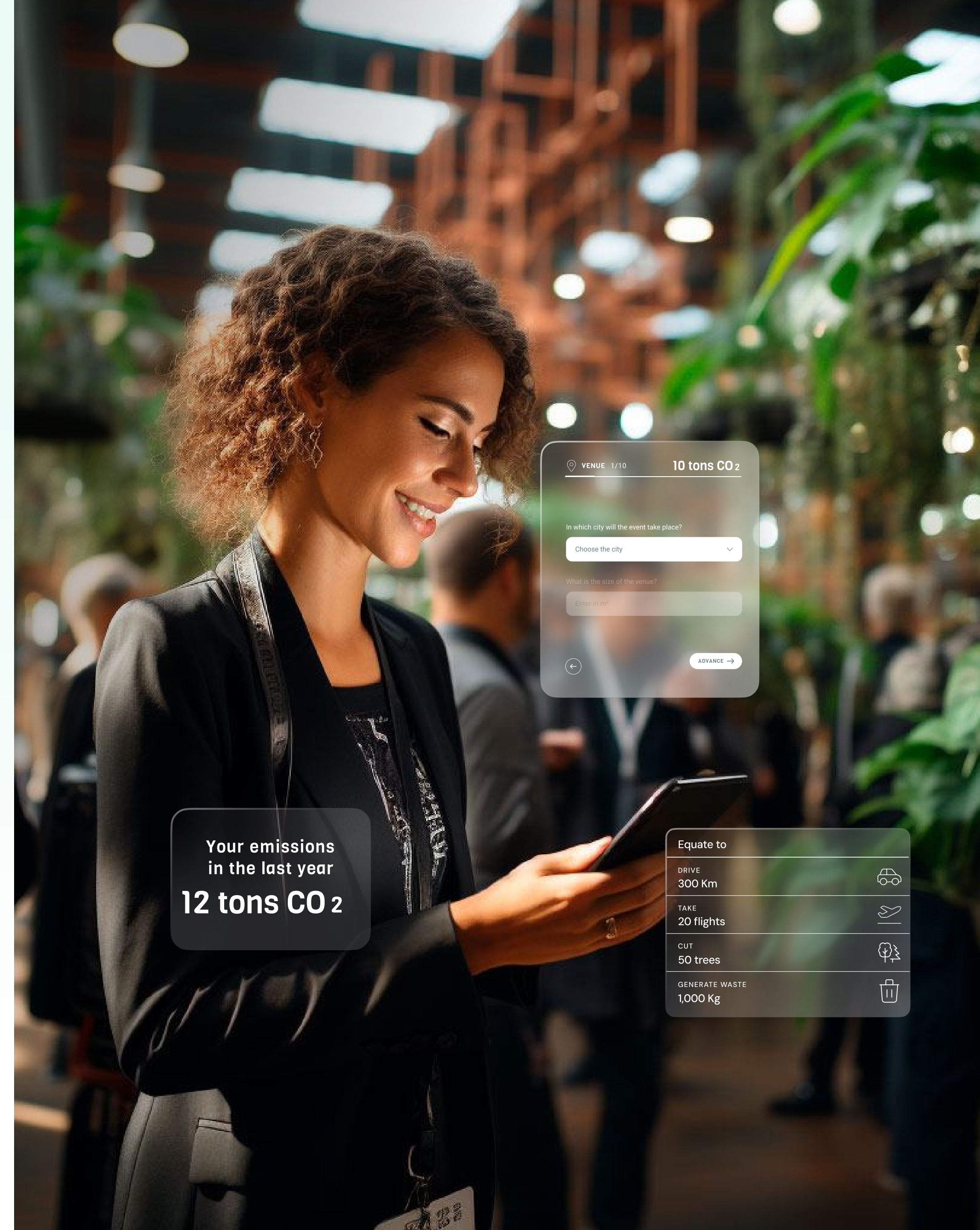
Recommendations are also generated to mitigate emissions and make the next event even more sustainable.



An interactive experience

Descarbonize develops various interactive and educational actions to raise awareness about sustainability in events. Among them are:

- **Interactive apps:** Applications that allow calculating the CO₂ emissions generated by the transportation of participants.
- **Educational games:** A quiz-style game to calculate individual carbon footprint and promote environmental awareness.
- **QR codes:** Digital activations with QR codes to access information, calculation tools, and educational content.
- **Custom landing page:** A web page for participants to calculate their personal emissions.
- **Graphic and digital material:** Banners with interactive information and social media posts to promote sustainability.



VENUE 1/10 10 tons CO₂

In which city will the event take place?

Choose the city

What is the size of the venue?

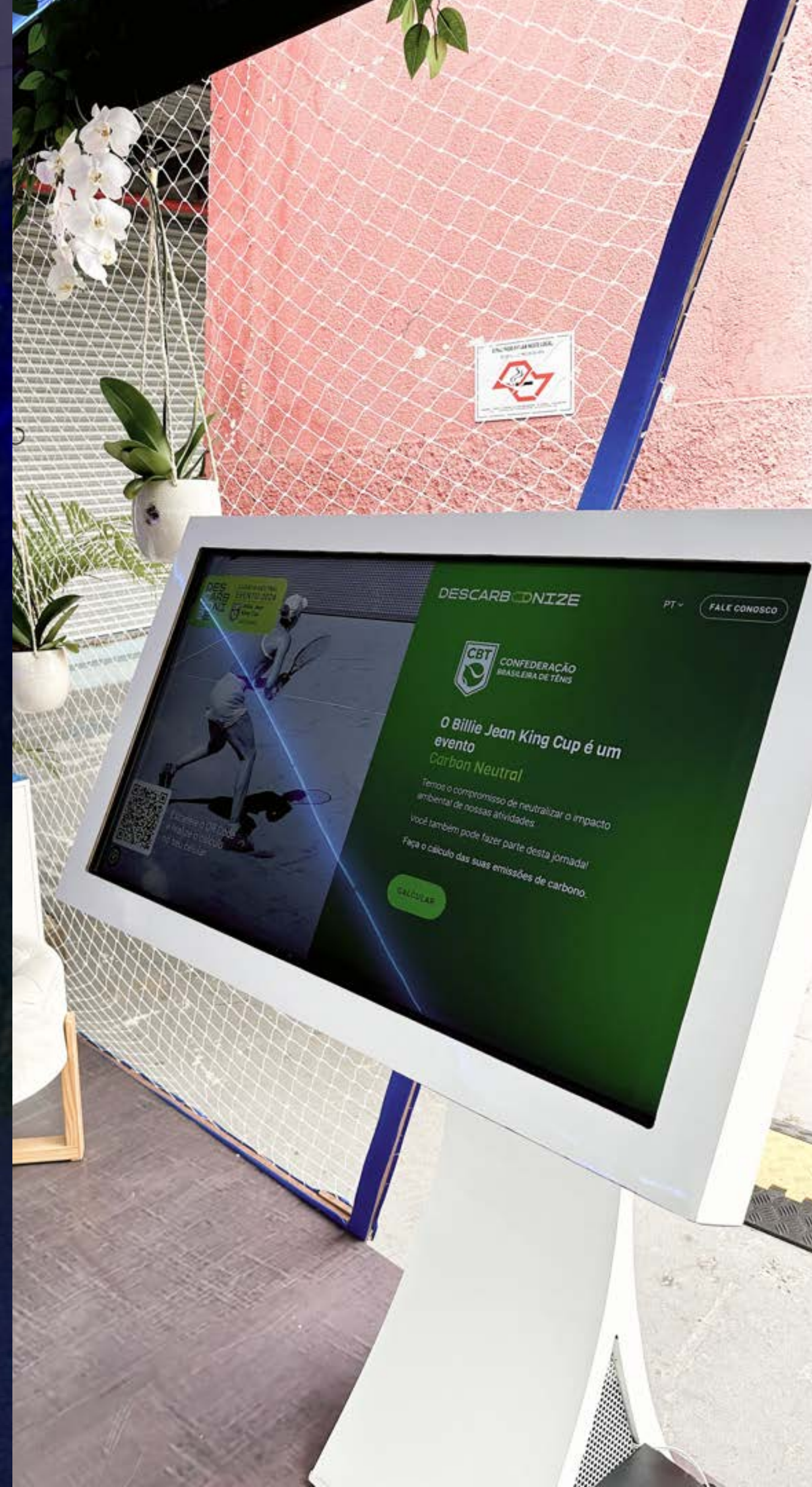
Enter in m²

ADVANCE →

Your emissions
in the last year
12 tons CO₂

Equate to	
DRIVE 300 Km	
TAKE 20 flights	
CUT 50 trees	
GENERATE WASTE 1,000 Kg	

Some examples



Some events we calculated



68,000 people



1,200 people



6,000 people

DESCARBONIZE

Discover the impact of your business and start reducing your carbon footprint.

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