



# ARCHE

Building today, the world of tomorrow

AN ECO-FRIENDLY  
PROGRAM

# Program ARCHE

*Every day, millions of consumers walk through the doors of one of the 35,000 French bread and pastry shops.*

*Each year, more than 6 billion baguettes are produced in France.*

*Pavailler Solution, as an equipment manufacturer, is committed to supporting and accompanying every baker and pastry chef in France and around the world.*

*Intimately linked to the growth of the company, the impact of our activities is growing every day.*

*Aware that tomorrow's world is being built today, we are seeking to develop our positive impact on our territory and to limit our impact and that of our equipment on the environment.*

*This approach is part of our ARCHE program, Pavailler Solution's CSR approach, which brings together the companies Pavailler, CFI and Bertrand Puma.*







**OUR PILLARS**




**THE PRODUCTS**

-  Recycling and Reconditioning
-  Equipment design

**THE PEOPLE**

-  Ergonomics & Health
-  Bakery Tradition
-  Territorial Commitment

**THE PLANET**

-  Made in France
-  Energy reduction & climate footprint



# THE PRODUCTS

*Our development teams are committed to designing highly responsible, sustainable and recyclable equipment.*



## RECYCLING AND RECONDITIONING

Recycling: We are committed to ECOSYSTEM, an eco-organization allowing the systematic recycling and revalorization of each component of our equipment.

The work we do every day in the development of our products allows us to offer equipment that can be recycled up to 80% on average.

Reconditioning: We are committed to ensuring that all our equipment is highly repairable.



## EQUIPMENT DESIGN

Sustainable development: As equipment manufacturers for many decades, it is essential for us to design environmentally friendly equipment through the choice of supply, the choice of materials and also by controlling our manufacturing processes.

Robustness and reliability: The search for robustness and reliability guides us in each product development. Our machines are recognized for these qualities and that is why we have created the "Club des 25" rewarding our customers who own equipment that is 25 years old or more and still in working order.





THE PRODUCTS

# RECYCLING

Highly recyclable products



Resting cabinet ECLIPSE  
Bertrand Puma



Deck oven OPALE  
Pavailler



Refrigerated worktable Blue Rock  
CFI

# THE PEOPLE

*Our products are designed and tested to strictly respect the baking traditions, but also not to impact the health of their users.*



## ERGONOMICS & HEALTH

Respect: Aware that our bakers, pastry chefs and chocolate makers are the bearers of French know-how and heritage, we are developing, with the help of professionals, equipment that respects health and natural ergonomics and is approved by the French Social Security.



## BAKERY TRADITION

Know-how: Our equipment must accompany our bakers, pastry chefs and chocolate makers in their daily work. They meet the fundamental needs of professionals and support French know-how and tradition.



## TERRITORIAL COMMITMENT

Support: Because today's children are tomorrow's talents, it is essential to support them from an early age; our sites in Nevers, Lavaveix-les-Mines and Portes-lès-Valence support the young people of their region.

Support: Pavailler Solution is committed to contributing to the development of its territories through sponsorship actions but also by sharing its energy with local actors.





# THE PLANET

*Whenever possible, we source from French suppliers. On a daily basis, we do everything possible to offer alternative solutions to limit our environmental impact; our energy consumption is controlled.*



## MADE IN FRANCE

Proximity: 99% of our raw materials and components are European, 89% of which are French. As a French industrial player, we support the local economy and source as close to us as possible, reducing our carbon footprint.

Our three production sites are French and contribute to the local economy.



## ENERGY REDUCTION & CLIMATE FOOTPRINT

Sobriety: Every day, we do our utmost to develop low-cost equipment. We work to find alternatives that limit energy consumption and environmental impact.

In addition to the work we do on our machines, we also strive to minimize our impact on the environment on a daily basis, by recycling our waste, refurbishing our buildings, using LED lighting, and so on.

It is also in this context that we have decided to carry out our Carbon Footprint in 2023.

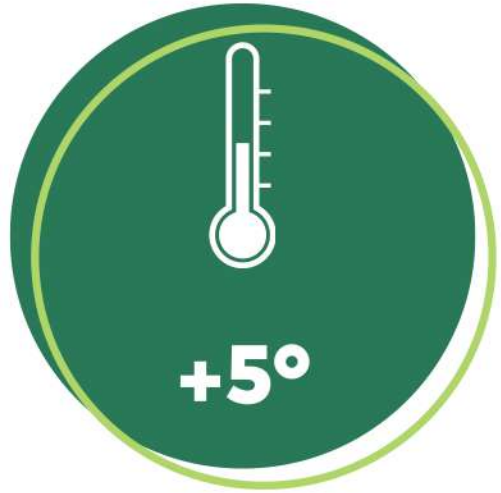


# Carbon footprint Pavaiiler Solution

Completed in June 2023 for the period September 2021 to August 2022

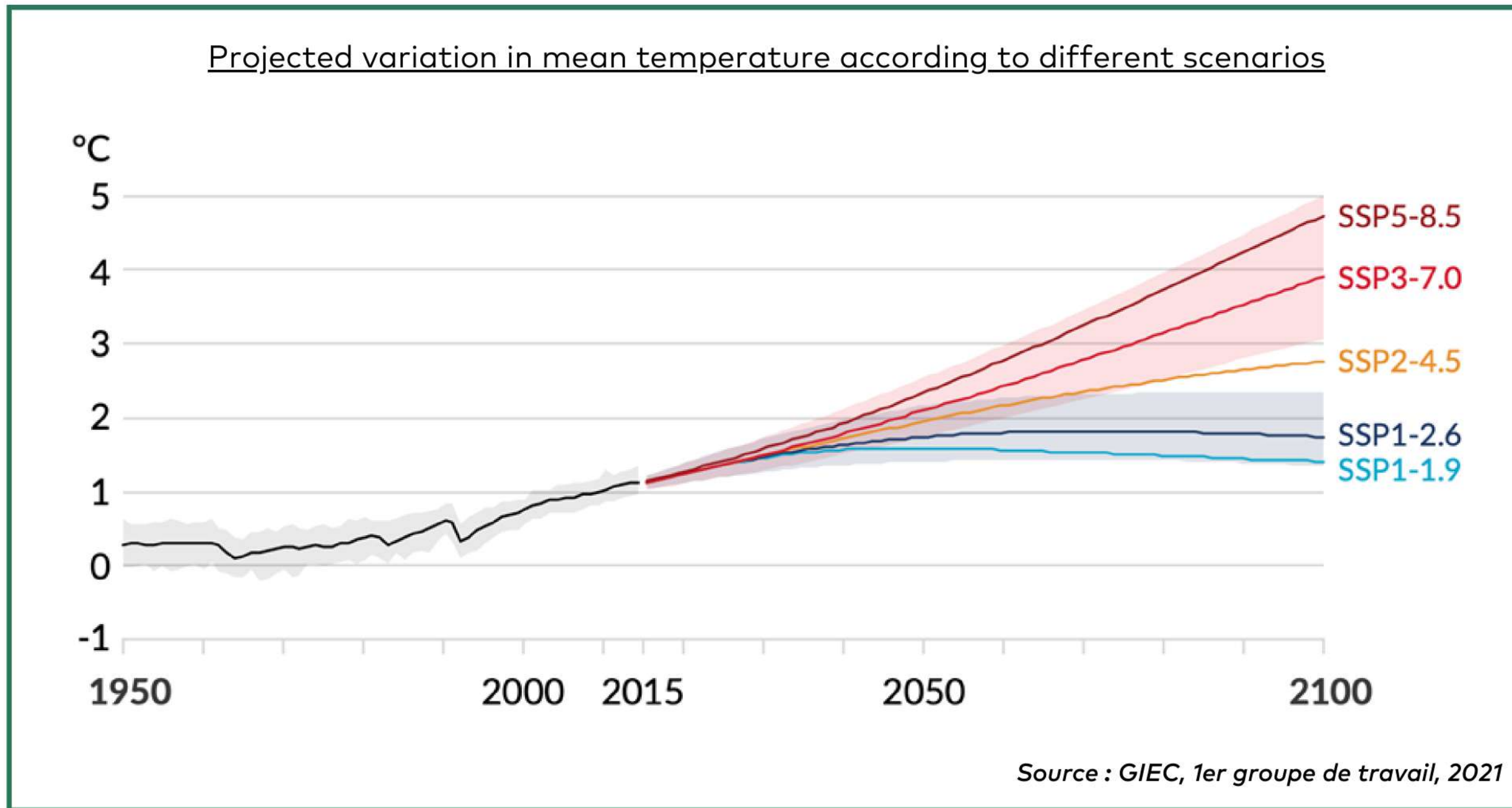






*This is the maximum increase in the Earth's temperature that is expected by 2100 if no strong measures are taken.*

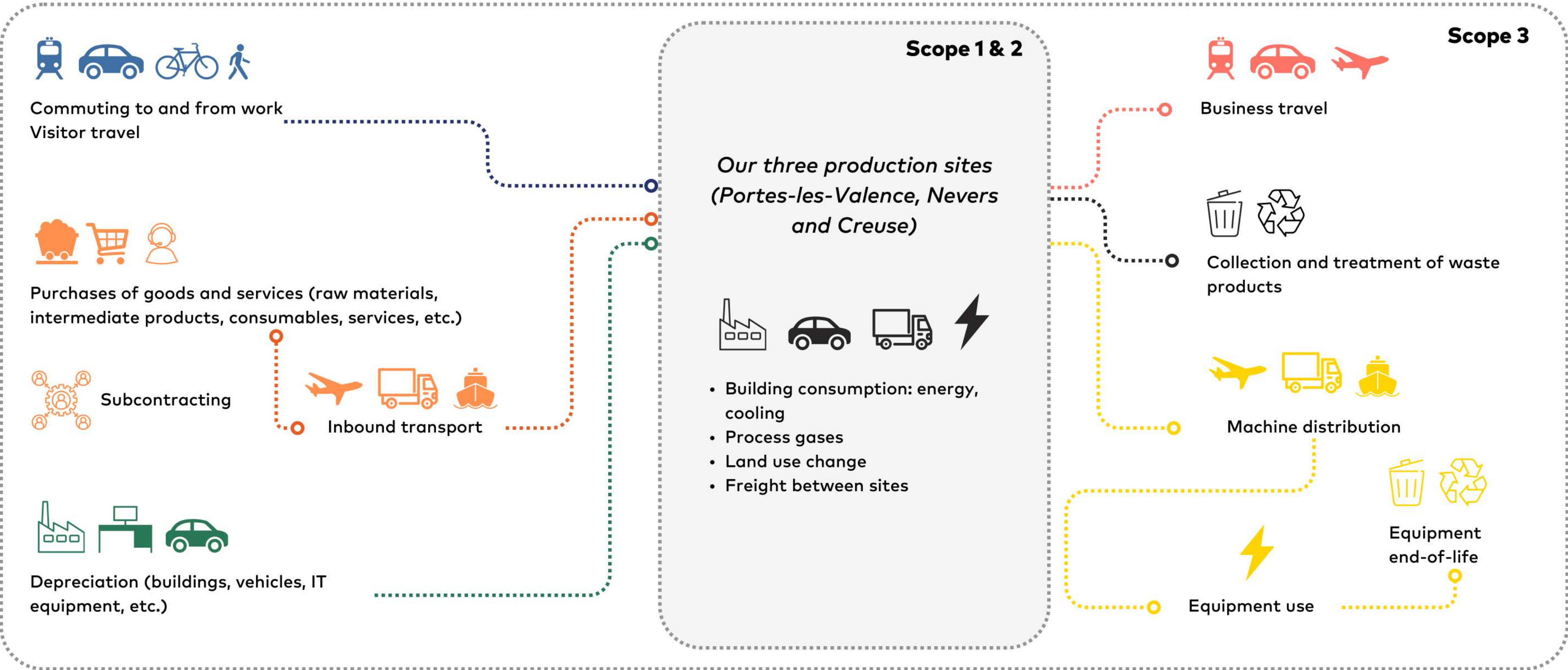
**CONTEXT**



*The consequences of climate change are already visible and will become more pronounced in the years to come.*



# UNDERSTAND





RESULTS OF OUR  
CARBON FOOTPRINT



**THIS IS SEBP/PAVAILLER SOLUTION'S GHG FOOTPRINT FOR THE PERIOD SEPT. 2021 TO AUGUST 2022.**

Equivalent:



to the annual emissions of  
18.000 French people



30.000 circumnavigations  
of the Earth by plane



the combustion of  
57.000.000 L of diesel fuel.



# KEY INDICATORS



**THIS IS SEBP/PAVAILLER SOLUTION'S GHG FOOTPRINT FOR THE PERIOD SEPT. 2021 TO AUGUST 2022.**

Equivalent:



**2612**  
kg CO<sub>2</sub>e / k€ sales



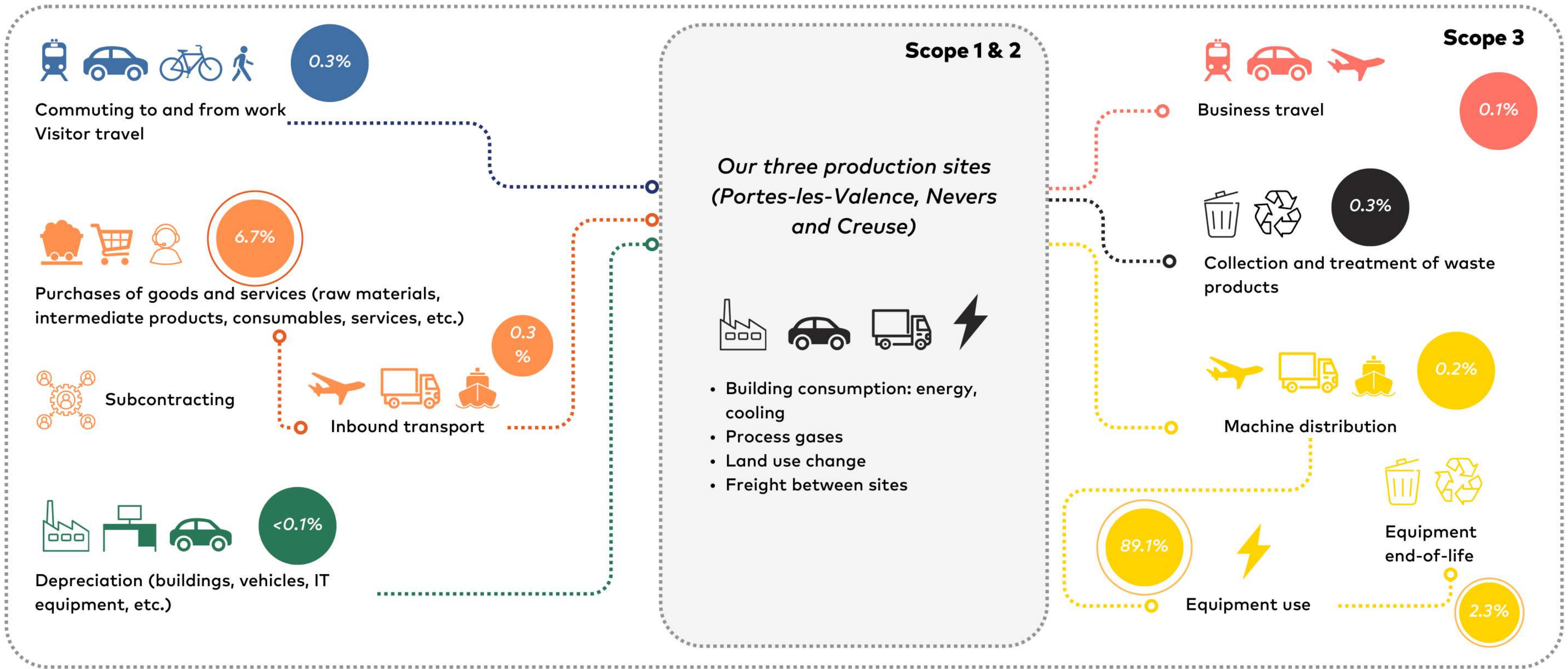
**16.3**  
t CO<sub>2</sub>e / employee



**910**  
kg CO<sub>2</sub>e / unit produced

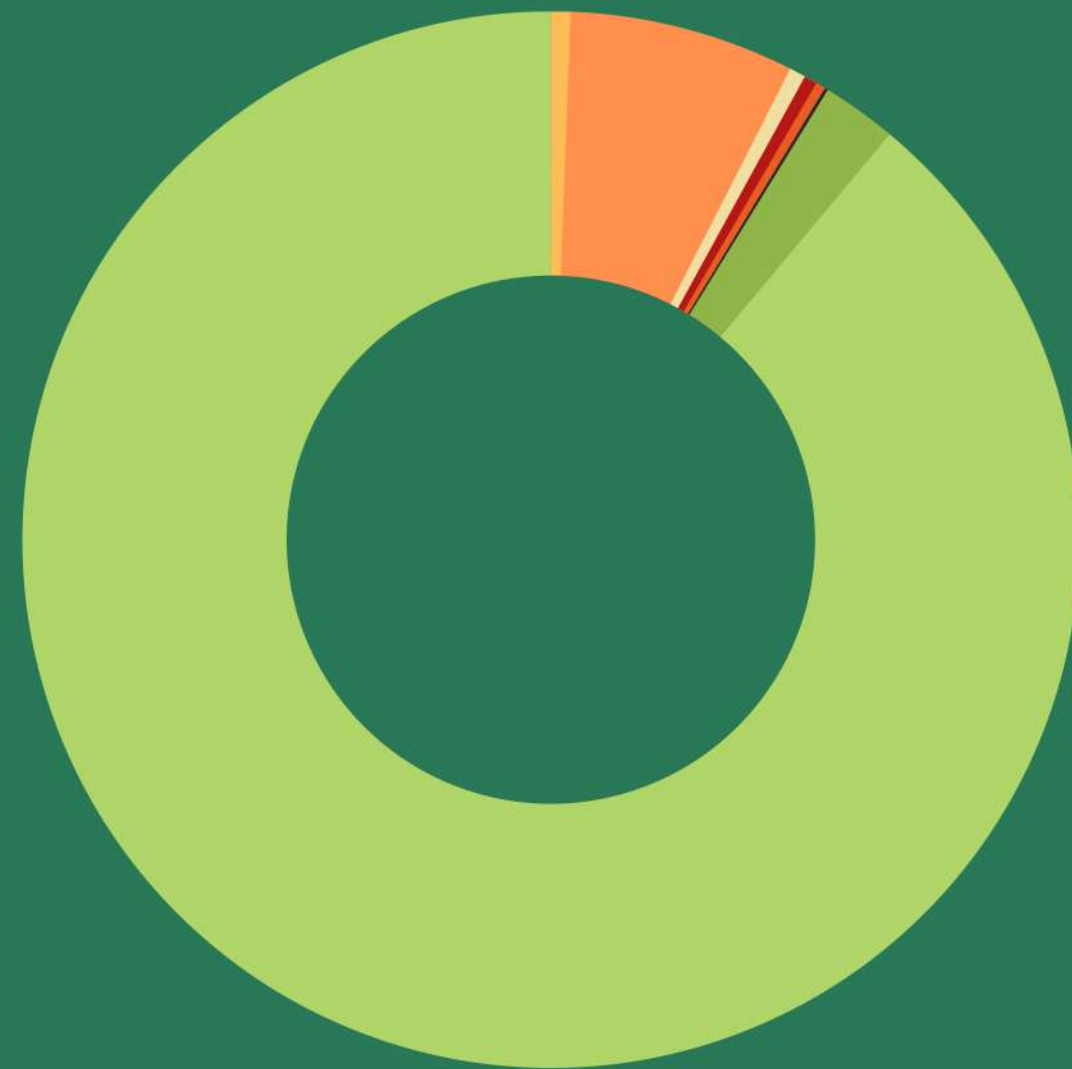


# BREAKDOWN OF EMISSIONS





# BREAKDOWN OF EMISSIONS



- Energy and air conditioning: 0.6
- Purchases of goods and services: 6.9
- Freight (incoming, internal and outgoing): 0.5
- Commuting: 0.4% (in %)
- SOC waste: 0.3%
- Non-current assets: <0.1%
- End of life: 2.3%
- Usage: 89.1%

*Due to the high energy consumption of equipment over its lifetime, the use phase of equipment sold is responsible for 89.1% of CO2 emissions.*

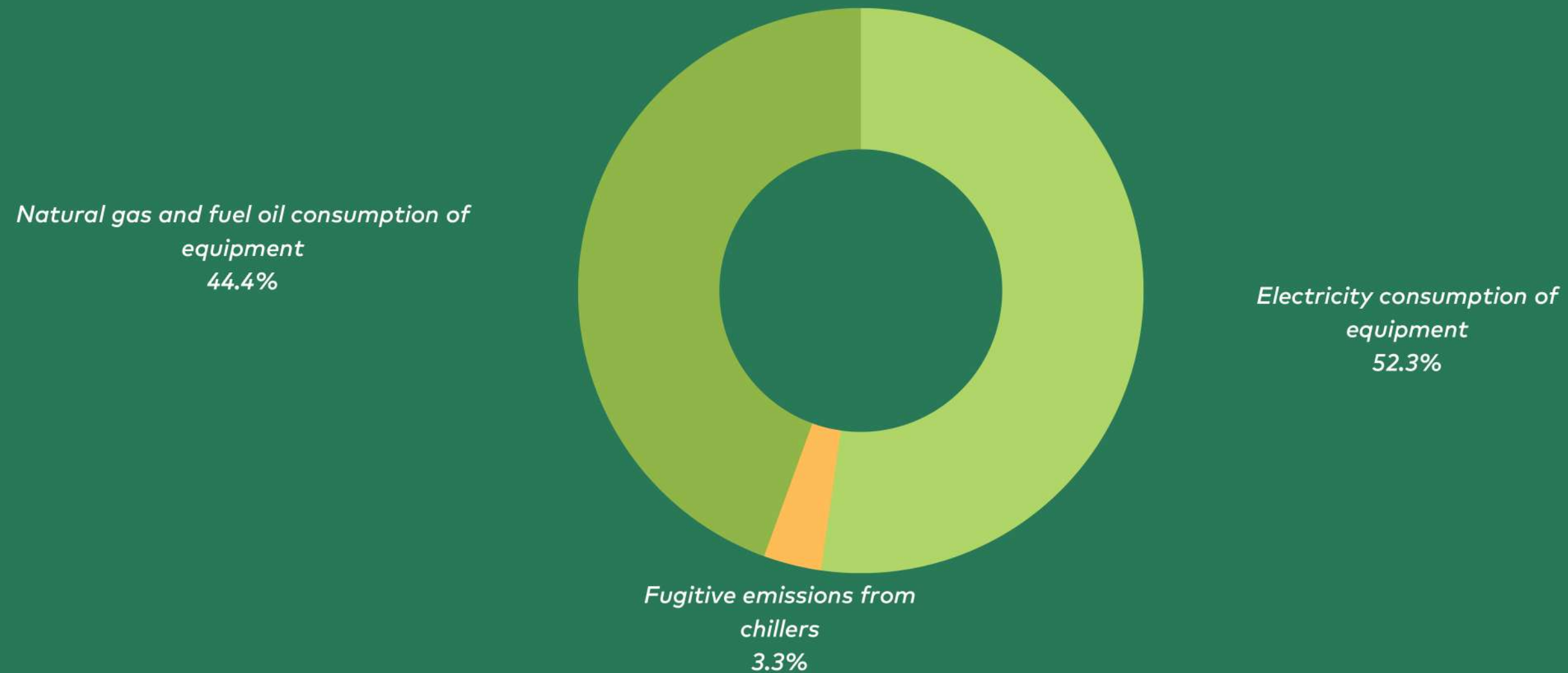
*Purchases of goods and services account for 6.9% of the carbon footprint, while direct emissions (scope 1 and 2) linked to energy use in our plants and vehicles represent less than 1%.*



# ANALYSES

## 1ST EMISSION ITEM : EQUIPMENT USE (89.1%)

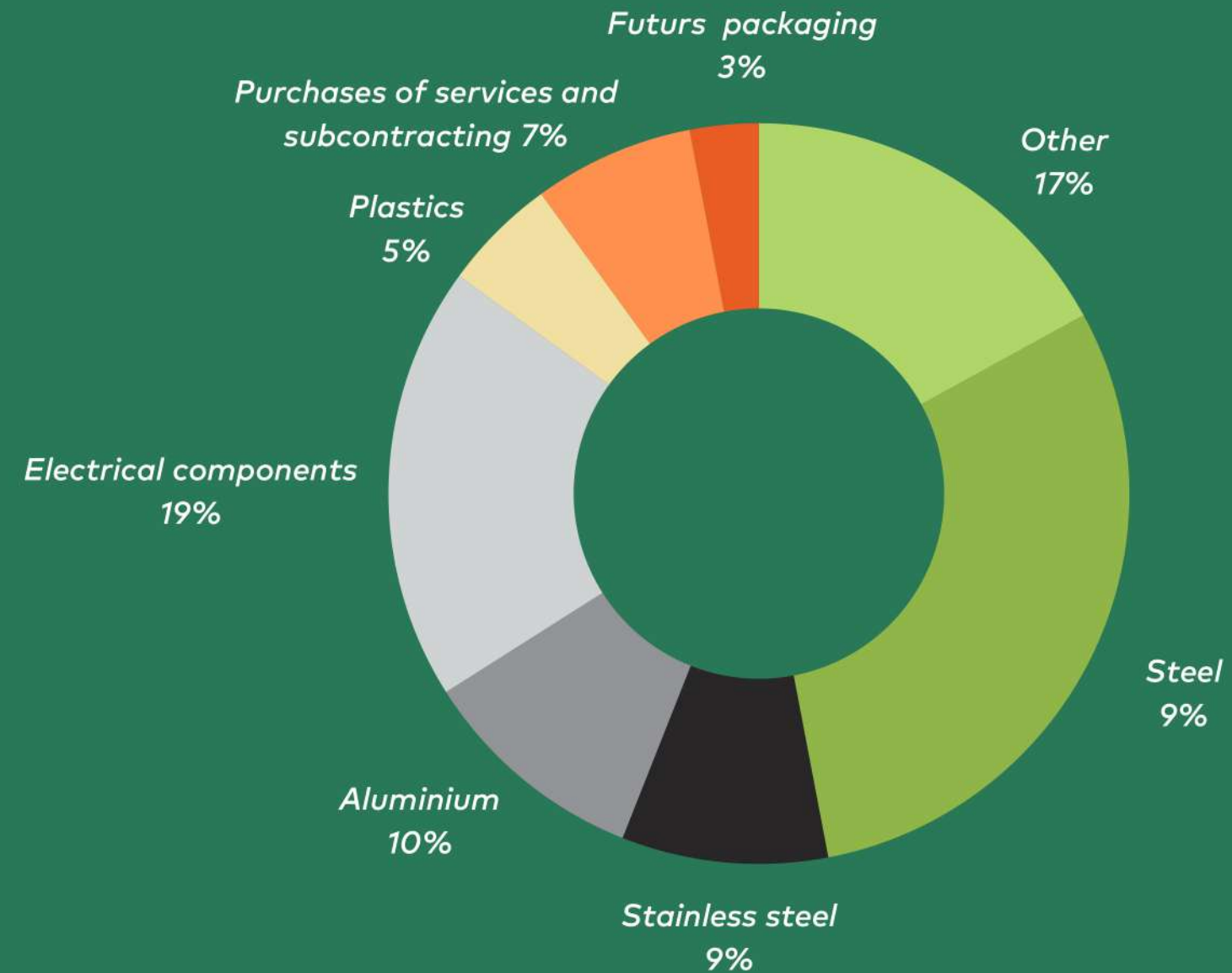
Consumption of electricity, natural gas and fuel oil by equipment throughout its lifetime is the main contributor to this item. Ovens are the most energy-intensive equipment, compared to dough processing machines and preservation and fermentation equipment.



# ANALYSES

## 2ND EMISSIONS ITEM: PURCHASES OF GOODS AND SERVICES (6.9%)

Among the emissions linked to the purchase of goods and services, metal purchases (steel, stainless steel and aluminum) account for 49%. Electrical components account for 19% of this item's emissions.

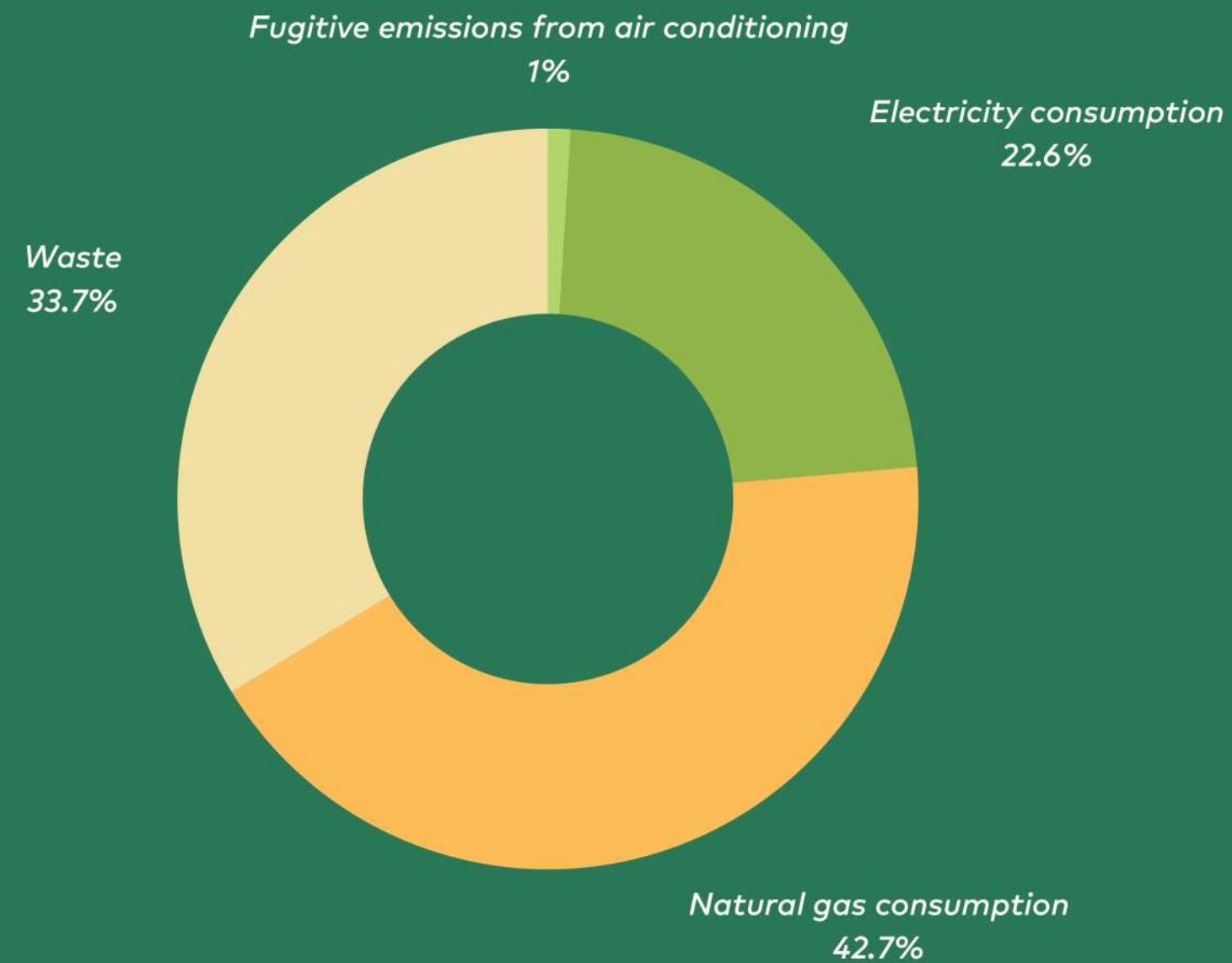




# ANALYSES

## 3RD EMISSION ITEM: ENERGY, AIR CONDITIONING AND PRODUCTION WASTE (0.9%)

Energy consumption, air conditioning and plant waste account for 0.9% of carbon footprint emissions. Natural gas consumption is the main contributor (43%).



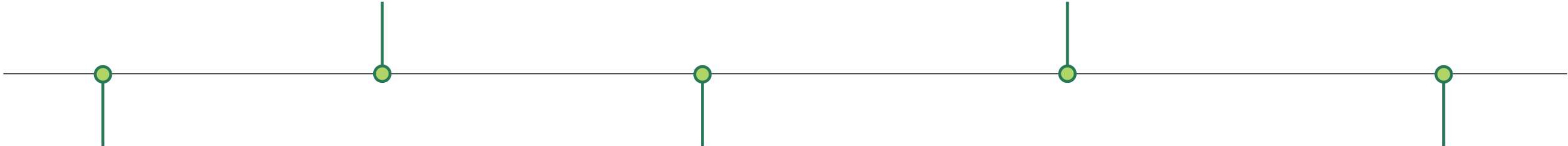
**OUR 2022  
ACTIONS**

**25 Years Club**

To date, we have identified some forty owners of Pavailer, CFI or Bertrand Puma equipment, representing over 50 machines and furnaces!

**Building refurbishment**

Already underway for several years, we are continuing to refurbish our buildings in order to improve our energy consumption.



**ARCHIS**

Setting up the ARCHE program at our sites. The ARCHIS are the representatives and relays of ARCHE, within their own site.

**Event**

We have taken advantage of major events such as the Sustainable Development Weeks, World Clean Up Day, etc., to participate with all our employees in the preservation of our planet. Through these events, we aim to make everyone aware of the importance of preserving our environment.

**Product development**

We continue to rework each product to limit its environmental impact.



## OUR ACTIONS FOR 2023

*Our actions for 2023 and beyond are guided by the results of our carbon footprint assessment.  
We have defined 3 priority areas to work on in order to improve our carbon footprint and minimize our impact.*



### ENERGY PERFORMANCE OF EQUIPMENT

Action 1 - Create a user interface on Pavailler ovens to raise bakers' awareness of energy savings.

Action 1.1 - Automate certain controls to optimize energy consumption.

Action 2 - Thermal insulation of equipment: locate losses and seek technological and design alternatives.

Action 3 - Replace refrigerants in refrigeration equipment with R290.



### ECO-DESIGN

Action 1 - Packaging management: eliminate or substitute plastics.

Action 2 - Second-life components for after-sales service: reuse used parts/components to create a "reconditioned offer".

Action 3 - Raw materials reduction and substitution for less carbon-intensive materials



### RESPONSIBLE PURCHASING

Action 1 - Optimize inbound transport.

Action 2 - Define and rate CSR criteria for each supplier.

Action 3 - Establish a responsible purchasing policy and create a roadmap.



*The industrial sector is responsible for around 18% of greenhouse gas (GHG) emissions, and has an important role to play in decarbonizing our planet. As an industrial player, it was essential for us to work on this issue and significantly reduce our carbon footprint.*

*At Pavailer Solution, we have been focusing our development efforts for several years on :*

- Reducing the consumption of our equipment;*
- Increasing their lifespan;*
- Improving their recyclability.*

*In 2022, we wanted to go even further by creating the ARCHE program, Pavailer Solution's CSR initiative, which has raised awareness and involved the whole company in environmental issues.*

*This year, a new milestone has been reached with the completion of our first carbon footprint assessment, which you have just seen, enabling us to quantify our environmental footprint and establish a more targeted and ambitious action plan.*

*This action plan, based on 3 major points, clearly places us at the forefront of companies in our sector in terms of eco-citizenship.*

*We are therefore delighted to share this first assessment with you, to give you a transparent account of our progress and challenges for the years ahead.*



*Eric Soquet,  
General Manager Pavailer Solution*





The logo for ARCHE, featuring the word "ARCHE" in a bold, black, sans-serif font. Above the letters "R" and "C" is a stylized black arch with a small leaf-like detail at its right end.

