

How Meelunie creates value for society

October 2021 - September 2022

INPUT

Responsibility

- GOVERNANCE**
- Net Sales: €295 Million
 - Compliance policy
 - B Corp guidance
 - International Featured Standards
 - GMP+ Feed Safety Assurance
 - Positive Impact Team: 10 employees

Collaboration

- WORKERS**
- Employees: 105 FTEs
 - Internships: 4
 - Training and Education: €38K
 - 28+ Cultures
 - 20+ Languages spoken
 - 44% female

- COMMUNITY**
- Green Business Club
 - LifeSkills
 - Ocean Sole
 - Oxfam Novib
 - Woman in Agri
 - Food Valley
 - Green Protein Alliance
 - Plant Based Food Association

Transition

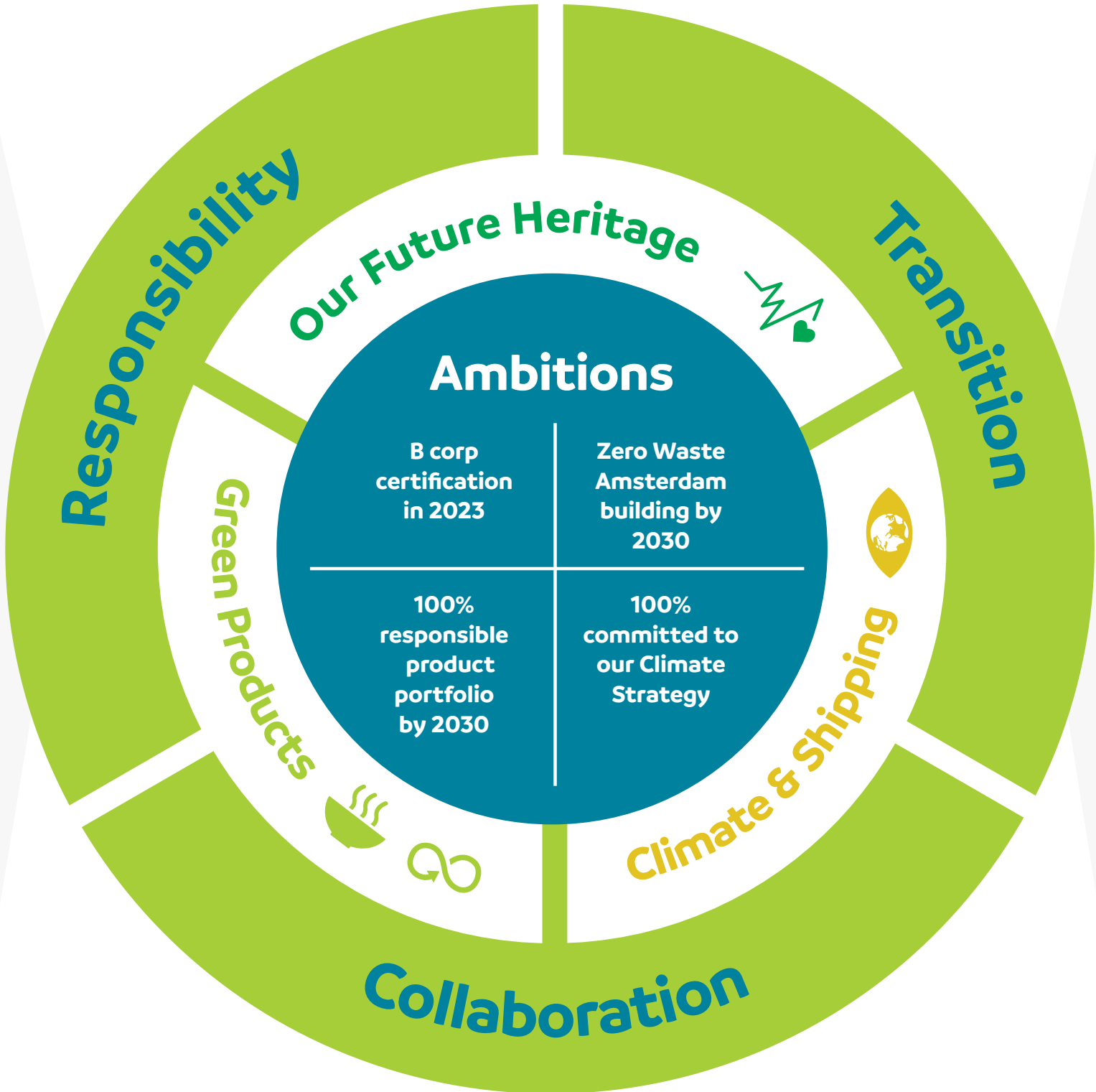
- ENVIRONMENT**
- CO₂e footprint Business Operations*
- Our Future Heritage: 336 mt CO₂e
 - Scope 1 and 2: 112 mt CO₂e
- CO₂e footprint Product Portfolio*
- Climate & Shipping: 24,851 mt CO₂e

- BREEAM (Amsterdam office) & LEED Gold (Shanghai office) certified
- Energy usage: 297,154 kWh
- Business Travel: 338 flights
- Employee commuting: 796,429 km   
- Water usage: 212 m³

- BUSINESS**
- Customers: 544 in 85 countries
 - Suppliers: 98
 - Product groups: 42
 - Periodic World-Check of all relations (Financial Crime Protection)
- STRATEGIC CSR PARTNERS**
- CarbonCloud
 - CarbonLeap
 - BigMile
 - GoodShipping
 - FairClimateFund

PURPOSE

Plant Based Positive Impact



 Our Future Heritage  Green Products  Climate & Shipping

OUTPUT

Responsibility

- GOVERNANCE**
- Submission B Corp
 - IFS Broker
 - GMP+ B3 Trade in Feed

Collaboration

- WORKERS**
- Employee satisfaction: ★★★★★☆
 - Employee benefits: sustainable workspace with a green wall and plants to improve indoor air quality, HIIT sessions, sit-stand desks, vegan-friendly lunch, office fruit and Fairtrade certified coffee (Amsterdam office)
 - CSR engagement activity
 - Health attendance: 98,5% (Amsterdam office)
 - Employee retention: 83% (Amsterdam office)

- BUSINESS**
- Organic products: 3%
 - Code of Conduct
 - Anti-Corruption Policy
 - Engaging customers in measurement, reduction and compensation of carbon footprint

STRATEGIC CSR PARTNERS

- Participation in carbon measurement, reduction and compensation programmes

COMMUNITY

- Food bank
- Recognised training/internship company
- Participation in microcredit programmes
- Woman empowerment in agriculture
- Gave 2,301 households access to clean cooking
- Donation of refurbished smartphones to underprivileged children
- Fundraising for refugees
- Zero waste art in Amsterdam office
- Round tables sessions about protein transition

Transition

- ENVIRONMENT**
- Scope 1 and 2 has been calculated; the business operations of Meelunie are carbon neutral by compensation
 - 5,572 mt CO₂e compensated via FairClimateFund
 - 225 mt CO₂e reduced via GoodShipping
 - 667 mt CO₂e reduced via CarbonLeap
 - Planted 240 trees via Trees for All

IMPACT

Inspired by three of the UN's Sustainable Development Goals (SDGs), we have defined our own three domains for impact: Our Future Heritage, Green Products and Climate & Shipping. These are our pillars in helping us contribute to achieving a better world.

SDG 2

We strive for better food and healthier individuals, families and communities in the areas where we operate.

SDG 3

We offer high quality, plant-based ingredients and products that foster good health and wellbeing for humankind.

SDG 12

We translate our customers' desires into high-quality, plant-based ingredients and products that nourish, protect and improve.

SDG 13

We commit ourselves to increasing the usage of sustainable resources and reducing our carbon footprint, both within our company and in the value chain.

FOUNDATION

Profile: Meelunie is a leading global supplier of plant-based ingredients such as proteins and starches. Our product range covers a wide variety of food, animal nutrition and industrial applications, and includes trusted brands such as Windmill Potato Starch alongside an ever-growing assortment of organic products.

Founded: 1867 with family roots.

Vision: A balanced world where plant-based solutions drive positive impact.

Mission: To continue our long-term tradition of doing business with head and heart.

Purpose: Plant Based Positive Impact.

CSR Values: Collaboration, Transition and Responsibility.

Meelunie Sustainability Ambition Statement

October 2021 - September 2022

As of October 2021

'Positive Impact' has been incorporated into our mission, vision, ambitions and strategy. In the years to come, it will be an integral part of our daily activities: Positive Impact will drive our performance and set the scope for our growth, financial returns and the evolution of our portfolio. In this, we'll be guided by B Corp and aligned with the UN SDGs. We'll work with and seek partners who share our positive impact ambitions.

We've set down three domains in which we want to make a positive impact:

"We continue our purpose to create 'Plant Based Positive Impact'. Our fava proteins factory in Denmark is a wonderful example, where sustainability is fully integrated in our business model. We are excited to be contributing to a better tomorrow."

Marco Heering, CEO Meelunie

1. Our Future Heritage



Our ambition

Shift towards a 100% positive impact mindset from everyone in the company. Remain focused on operational excellence and further 'greening up' our business processes, in our efforts to be a good company for the next generations. A commitment to give back to communities through a number of local, national and international initiatives.

Themes

- Community, Governance & Workers

Achievements 2021-2022

- Mission statement was amended to include Meelunie's CSR;
- B Corp submission;
- Restructured Green from the Inside domain into Our Future Heritage for better alignment with our community initiatives;
- Created Business Travel Awareness Guide;
- Started the Materiality Analysis process;
- 6 (Internal) Positive Impact podcasts;
- Support to several public organisations such as Green Business Club Amsterdam, Oxfam, Life Skills, WOMAG Asia and Food Bank;
- 4 Internships (1 CSR-related thesis);
- Zero waste art of Ocean Sole in Amsterdam office.

Lessons learned

- Develop a 100% positive impact mindset with all Meelunie employees takes time;
- B Corp helped identify our blind spots such as putting common practice on paper.

Next steps

- Become a B Corp certified company;
- Further collect documents for B Corp certification;
- Audit B Corp and celebrate certification;
- Analysing Materiality Analysis results;
- CSR (diversity) in job description, job offers, training and workshops;
- Align and engage Meelunie offices and employees in CSR activities.

2. Green Products



Our ambition

We now place special emphasis on the Organic & Health segment. We offer an assortment of organically certified, sustainably-produced products. Supporting regional cultivation and processing of plant-based proteins is part of our ambition for a greener supply chain.

We pursue offering a growing assortment of organic and/or minimally processed ingredients and heavily invest in sustainable processing techniques. In 2030, our product portfolio will be 100% responsible.

Themes

- Community, Customers & Environment

Achievements 2021-2022

- Started building a sustainable fava proteins factory in Denmark;
- Calculated carbon footprints of all fava bean products from our fava proteins factory with CarbonCloud;
- Completed a LCA training;
- Hosted a round table session for Food Valley;
- Updated our product leaflets with Positive Impact reference.

Lessons learned

- 'Green' needs to be redefined to make it more measurable;
- LCA studies are complex and require specialised skills to measure;
- Comparing LCAs of different products is challenging.

Next steps

- Develop a strategy for our Green Products domain;
- Invest in solutions for protein concentrate to make it a more suitable alternative in food applications;
- Communicate carbon footprint of fava bean processing on packaging;
- Incentivise our supply chain partners to join CarbonCloud.

3. Climate and Shipping



Our ambition

Step up our efforts even further in regard to the reduction of our carbon footprint, the improvement of our energy efficiency, and our use of biofuels to achieve a 100% carbon-neutral supply chain by 2030. We aim to engage our customers in our Climate Strategy with initiatives such as including carbon footprint information with each order.

Themes

- Customers & Environment

Achievements 2021-2022

- The business operations of Meelunie are carbon neutral by compensation;
- Developed a Climate Strategy;
- Completed a feasibility study and received management approval for new Positive Impact project (tapioca farmer community) in Laos in collaboration with FairClimateFund;
- Renewed partnerships GoodShipping & FairClimateFund;
- Outsourced our CO₂ calculator to BigMile, included pre- and on-carriage, and all modalities;
- Started reduction partnership with CarbonLeap;
- Engaged our first supply chain partners in measurement, reduction and compensation of carbon footprint;
- Researched Positive Impact strategies in the tapioca supply chain and created blueprint for other supply chains.

Lessons learned

- Scope 3 reduction and compensation measurements is complex;
- Engaging supply chain partners is challenging;
- Setting up our Laos project was not as straight forward as expected.

Next steps

- Keep account of the carbon footprint for product portfolio (i.e. purchased goods and packaging);
- Reduce scope 1 and 2 as defined in our Climate Strategy;
- Begin Positive Impact project for the tapioca farmer community in Laos;
- Further integrate the BigMile CO₂ calculator in our ERP system and make the outcomes more accessible to our customers;
- Complete carbon footprint employee training in all Meelunie business units;
- Provide customers data of supply chain partners' carbon footprint.

Meelunie Positive Impact Programme

In 2018, Meelunie launched the Meelunie Positive Impact Programme. The more our awareness grows, the more opportunities we see. We want to do this in close collaboration and engagement with current and new partners who share our ambition to have the maximum possible positive impact on society. We're excited about what we can and will achieve together.

2017

- First initiatives, inspired by a guest speaker on sustainability;
- Partnered with Oxfam.

2018

- Launched Positive Impact programme.

2019

- Partnered with FairClimateFund.

2020

- Rollout local community domain;
- Signed zero waste contract;
- First reduction by fuel switch;
- Created CSR report.

2021

- Building a sustainable fava proteins factory in Denmark;
- Defined Climate Strategy;
- Scope 1 and 2 emissions are known;
- First global sustainability manager.

2022

- Submission B Corp;
- Feasibility study for starting own project in Laos.

Our Climate Strategy

Meelunie's Carbon Emissions Accountability

Definition of Meelunie's CO₂e neutrality

BUSINESS OPERATIONS

These scopes determine Meelunie's CO₂e neutrality by compensation because we have a direct influence on them.



OUR FUTURE HERITAGE



CLIMATE & SHIPPING (WAREHOUSING)

PRODUCT PORTFOLIO

The total of these emissions will be shared with our customers to improve awareness of CO₂e emissions.



GREEN PRODUCTS

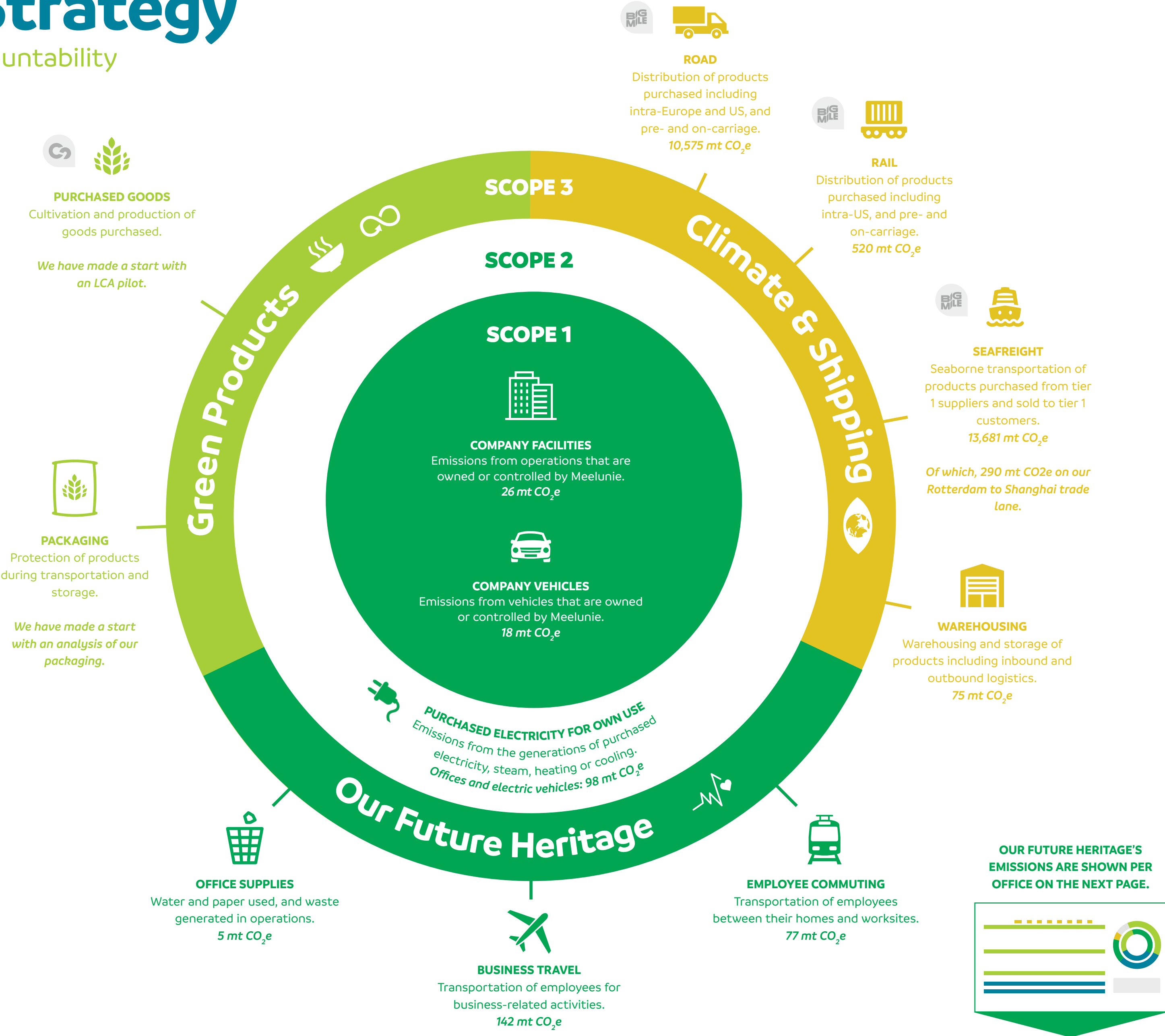


CLIMATE & SHIPPING

Our next steps towards a carbon neutral supply chain are shown in the Meelunie Sustainability Ambition Statement.

Disclaimer

The calculation of Our Future Heritage's CO₂e emissions are officially validated by PW Advies and based on CarbonCloud, CO₂emissiefactoren.nl and GHG Protocol. The Climate & Shipping's CO₂e emissions are officially validated by BigMile and based on the GLEC Framework. Expect for the warehousing emissions, which are based on data from Fraunhofer IML. These emissions are calculated in CO₂ equivalent (abbreviated as CO₂e), which is a metric measure used to compare the emissions from various greenhouse gases.



Greenhouse Gas Protocol

Our Climate Strategy is based on the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard, and is aligned with SDG 13: Climate Action. According to this standard, companies are required to account for and report all direct emissions - scope 1 and 2.

Meelunie also takes responsibility in measuring scope 3 emissions in our supply chain, both upstream and downstream, although the scope 3 emissions are the scopes 1 and 2 of other companies in the supply chain.

CONCLUSION

The total amount of emissions of the business operations - scope 1, 2 and partly 3 - is 411 mt CO₂e. Meelunie has compensated 5,572 mt CO₂e. This makes Meelunie a carbon neutral organisation by compensation. Meelunie also reduces a part of scope 3 through its Rotterdam to Shanghai trade lane (290 mt CO₂e). Meelunie has reduced 892 mt CO₂e. This makes this trade lane fully reduced to zero.

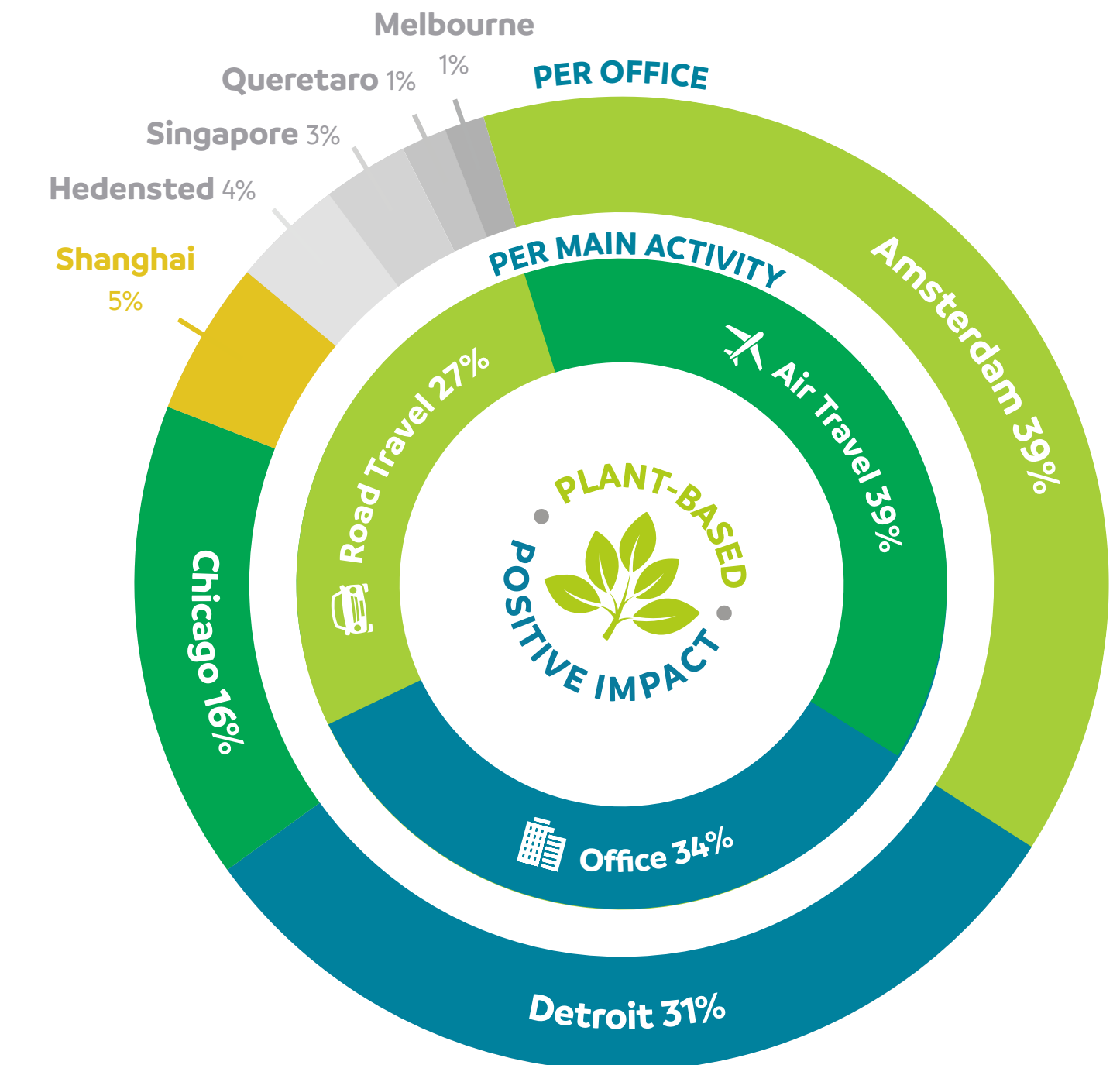
	Available Offsets	5,572 mt CO ₂ e
	Our Future Heritage	336 mt CO ₂ e
	Warehousing	75 mt CO ₂ e
	Spare Offsets	5,311 mt CO ₂ e
	Available Insets	892 mt CO ₂ e
	RTM-SHA	290 mt CO ₂ e
	Spare Insets	602 mt CO ₂ e

On the way towards Net Zero

Meelunie's Carbon Emissions Accountability



	Definition	Amsterdam	Hedensted	Detroit	Chicago	Queretaro	Shanghai	Singapore	Melbourne	Total	Reducing
Scope 1	Heating	-	0,5	13,6	5,7	-	1,7	-	1,2	22,7	▲ 24%
	Fuel combustion	6,1	-	-	6,3	2,2	-	3,1	-	17,7	▼ 20%
	Total scope 1	6,1	0,5	13,6	12,0	2,2	1,7	3,1	1,2	40,4	● 0%
Scope 2	Office	34,4	1,4	38,8	16,4	0,1	3,9	0,7	-	95,7	▲ 43%
	Lease cars	5,9	-	-	-	-	-	-	-	5,9	▼ 26%
	Total scope 2	40,3	1,4	38,8	16,4	0,1	3,9	0,7	-	101,6	▲ 8%
Total scope 1 + 2		46,4	1,9	52,4	28,4	2,3	5,6	3,8	1,2	142,0	▲ 6%
Scope 3	Air travel	92,1	5,1	18,1	7,6	1,9	8,7	5,6	2,3	141,4	▲ 102%
	Rail travel	0,2	-	-	-	-	0,6	-	-	0,8	n/a
	Employee commuting	18,2	7,8	32,6	17,8	0,0	-	0,3	-	76,7	▲ 74%
	Waste, water and paper	3,3	0,2	0,6	0,3	0,0	0,4	0,4	0,1	5,3	▲ 32%
	Total scope 3	113,8	13,1	51,3	25,7	1,9	9,7	6,3	2,4	224,2	▲ 90%
Gross emissions (mt CO₂e)		160,2	15,0	103,7	54,1	4,2	15,3	10,1	3,6	366,2	▲ 45%
Renewable Energy Certificates		-30,0	-	-	-	-	-	-	-	-30,0	
Nett emissions (mt CO₂e)		130,2	15,0	103,7	54,1	4,2	15,3	10,1	3,6	336,2	▲ 47%
Warehousing		-	-	-	-	-	-	-	-	75,0	
Available offsets		-	-	-	-	-	-	-	-	-5,572	
Nett emissions (mt CO₂e) after compensation											-5,311



“The publication of our carbon emissions per office is just one small part of our Climate Strategy. And we’re working hard to continuously refine this strategy, so that it brings us ever closer to our ultimate goal of a net-zero organisation and supply chain”

Jeroen de Waaij, Global Sustainability Manager Meelunie

An increase of 47% net emissions compared to previous year can be explained by the inclusion of three extra offices and fewer restrictions from COVID-19 worldwide, which led to more energy use, travel and commuting. Additionally, because the fava proteins factory in Hedensted will open in 2023, no production emissions have been included for the Hedensted office yet. All data is rounded to one decimal point, meaning 0 mt CO₂e is less than 0.05 mt CO₂e. Our next steps in CO₂e reduction can be seen in the Meelunie Sustainability Ambition Statement.

Making Positive Impact together

Continuous Improvements Cycle

Green Up the Supply Chain

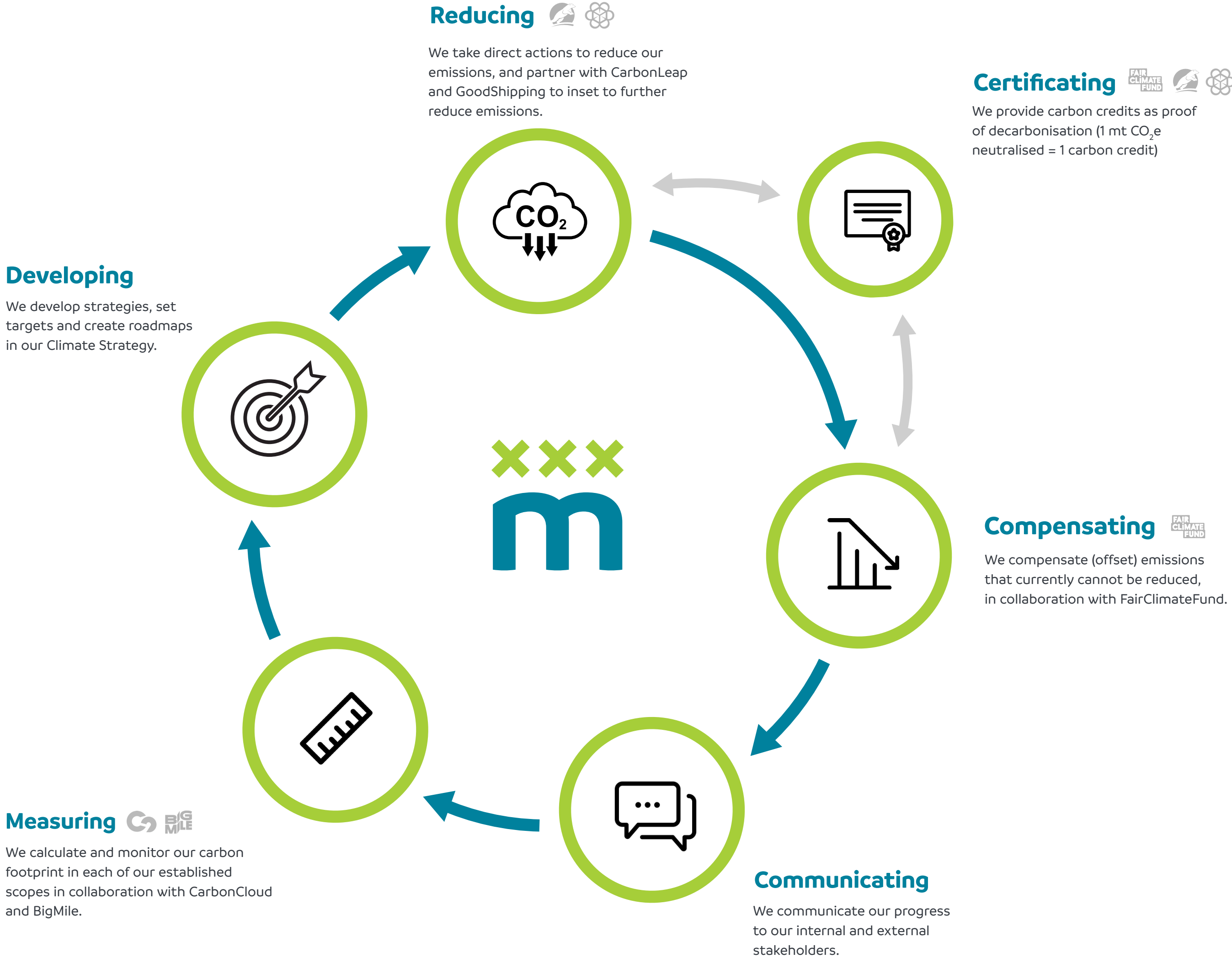
When it comes to making our supply chain more sustainable, we want to remain a frontrunner by continuously reducing our carbon emissions. This will help Meelunie lead and accelerate the global transition to a sustainable, plant-based future, grounded upon Meelunie's Plant Based Positive Impact purpose, and our stated ambition to trade and produce climate-neutral, plant-based ingredients, which will be supplied to our customers via a climate-neutral supply chain by compensation. Our climate-friendly fava proteins factory, set to open in 2023, is an example of our actions toward that goal.

“Companies like Meelunie are leading the way towards greener supply chains. BigMile is extremely proud to be part of their journey and to help with reliable insights into the transport-related carbon emissions, according to certified methods.”

Dyon van Gaans, CEO BigMile

“We are extremely pleased to see that we are able to add value to Meelunie's sustainability goals and we expect to be together on the forefront of future developments in the exciting voluntary carbon reductions market.”

Guido Levie, CEO CarbonLeap



Fuel switches

Our ultimate goal is a net-zero organisation and supply chain, but, because it is a long and bumpy road toward that end, our initial goal is to operate in a carbon-neutral supply chain and progress to a net-zero supply chain. For now, our focus is on transportation and distribution. We do this with strong partners such as BigMile, who calculate the carbon footprint of our shipments, GoodShipping and CarbonLeap, who facilitate the fuel switches, and FairClimateFund, who compensate our remaining emissions.

- 2020**
 - First fuel switch of 340 mt CO₂e;
 - Started reducing Rotterdam to Shanghai trade lane.
- 2021**
 - Fuel switch of 1,429 mt CO₂e;
 - Created continuous improvement cycle to structure neutralisations.
- 2022**
 - Fuel switch of 892 mt CO₂e;
 - Outsourced CO₂ calculator to BigMile;
 - Designed explainer page;
 - Engaged first customers and carriers.
- 2023 (planned)**
 - Fuel switch;
 - Include cultivation and production emissions;
 - Integrate neutralisations in our business model;
 - Engage more customers and supply chain partners.



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#PlantBasedPositiveImpact

Our next steps in continuous improvements are shown in the Meelunie Sustainability Ambition Statement.