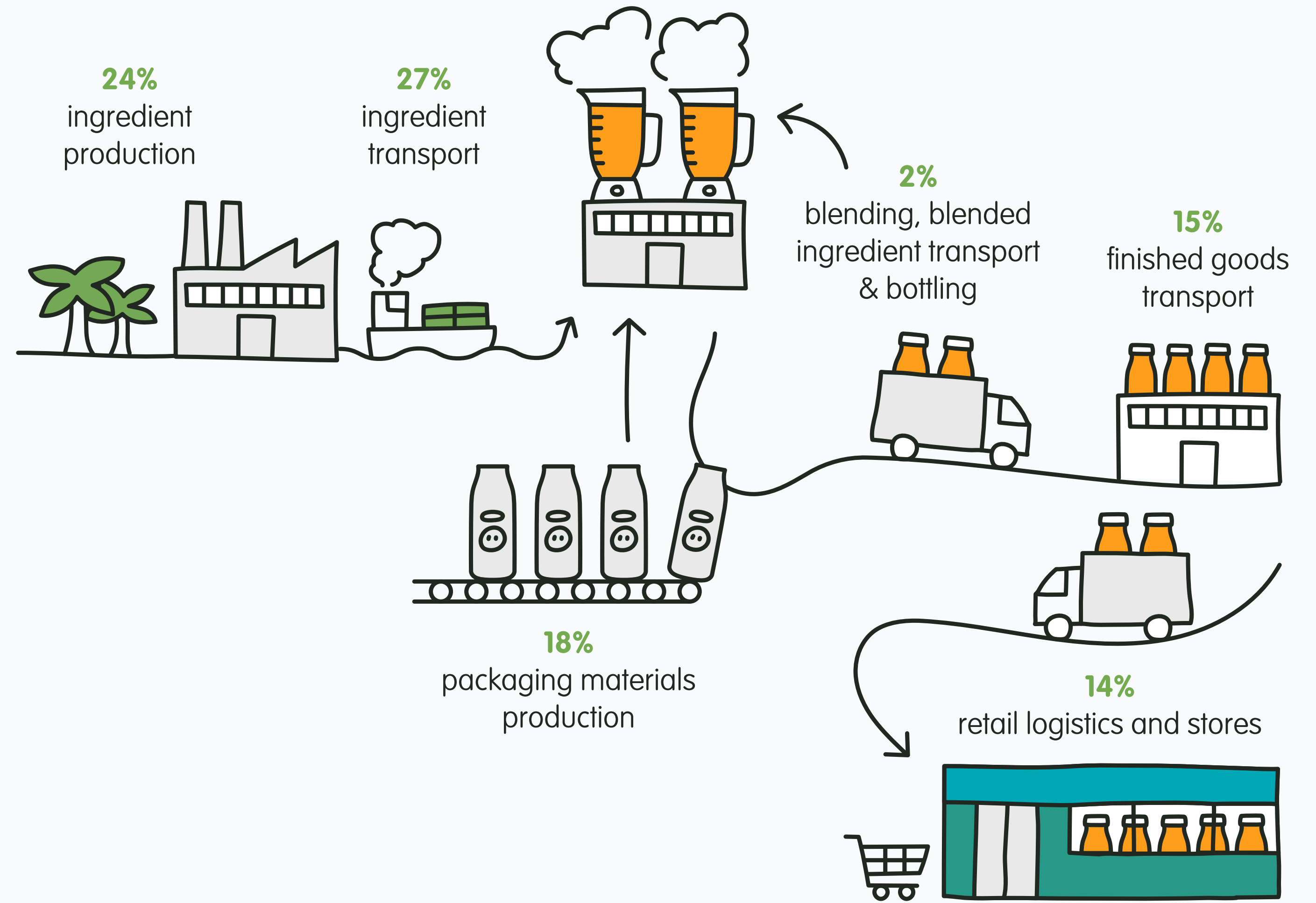




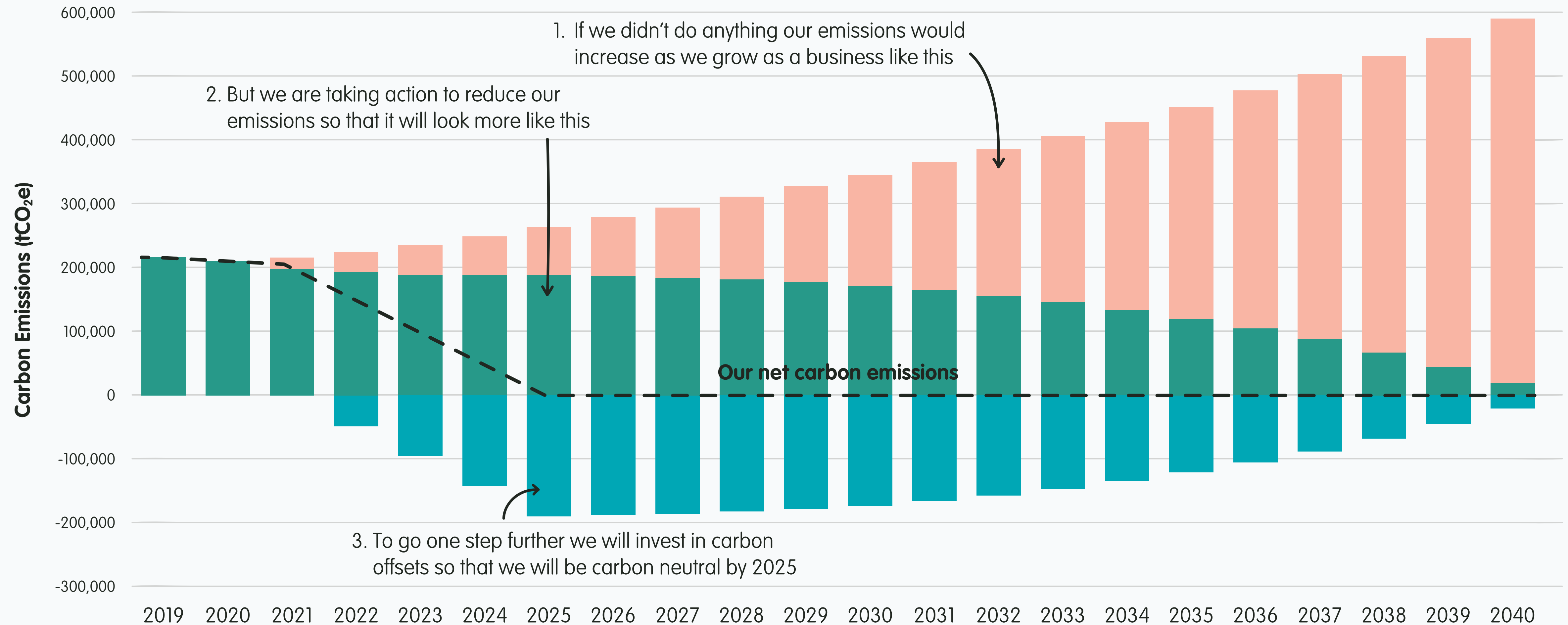
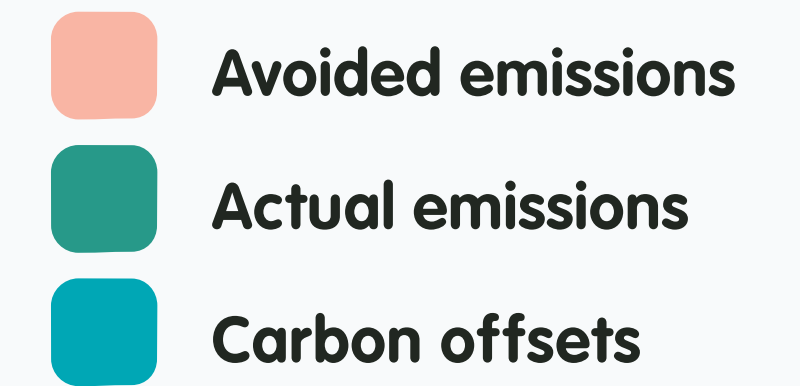
so how are we  reducing emissions
from our  Orange Juice?

It takes about 900g of carbon to make one of our 900ml bottles of Orange Juice

This is where that carbon comes from to make a bottle of Orange Juice



We are taking action to address the climate crisis & this is our masterplan



For those who love their numbers this is what our carbon numbers look like to date and what our reduction targets look like in the future.

Note that these figures are not specific to our orange juice but are representative of all of our products.

This is how much carbon it takes to make one litre of our drinks on average

From this point onward the numbers are targets. We haven't achieved them yet but we'll report on them every year.

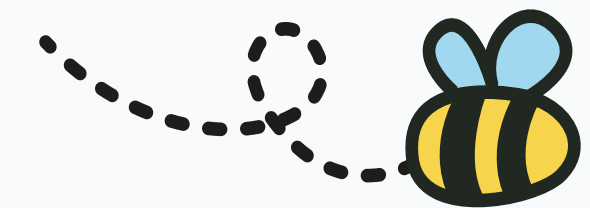
Year	2019	2020	2021	2022	2023	2024	2025	2030
KgCO ₂ e/L	0.85	0.83	Awaiting numbers	0.79	0.68	0.64	0.61	0.42
% reduction (from 2019)	n/a	2%	Awaiting numbers	7%	20%	24%	28%	50%

What happened before 2019? Well we know we managed to reduce our emissions by about 5% between 2017 and 2019. However from 2019 onwards we significantly changed the way we measured and captured our carbon numbers making them more accurate but also making direct comparisons with previous years difficult. From now on we will be reporting all reductions against our 2019 baseline year.



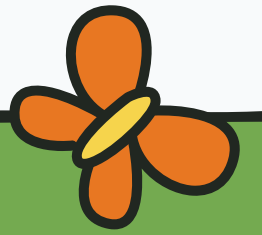
So how are we going to go about reducing our emissions in each area?

% of emissions	Step in the supply chain	What happens and what are we doing to reduce our emissions
24%	Ingredient production	<p>Our oranges are grown in South America and the trees that they grow on will naturally absorb carbon into their leaves, branches and roots. All of our oranges are produced to international standards called the Sustainable Agriculture Initiative's Farm Sustainability Assessment. As part of this there are over 100 environmental and social criteria that are independently audited against, and a number link to increased energy efficiency, monitoring of carbon emissions and use of renewable energy sources. 20% of the land where our Oranges are grown is also set aside as natural buffer zones.</p> <p>One of the things we are doing to reduce emissions at this level is our farmer innovation fund. This is an annual pot of €100,000 that helps farmers improve biodiversity and livelihoods while capturing carbon at the same time.</p> <p>We also support our farmers through our work with Emerging Leaders to help their businesses become more resilient to a changing climate.</p> <p>All of our major suppliers (including for OJ) are also involved in our Hero Supplier Programme. Through this programme we encourage suppliers to improve their sustainability performance in a number of areas including on reducing carbon emissions. We know from this for example our oranges are squeezed into juice at factories that are mostly run off renewable energy.</p>
27%	Ingredient transport	<p>The oranges are then shipped across the ocean to our supplier's main storage terminal in Europe.</p> <p>From there we go and pick our orange juice from our supplier and then drive it to our new factory in Rotterdam. For this leg we use Europe's very first fully electric tankers. These tankers are also charged up using renewable electricity. This is a great milestone for us as it means we can do this leg of the journey without using any carbon at all.</p>



% of emissions	Step in the supply chain	What happens and what are we doing to reduce our emissions
18%	Packaging	<p>We are very mindful of the type of packaging we use for our Orange Juice. We use plastic as it is robust, hygienic, can be recycled but is also low carbon. If we were in a glass bottle our emissions from packaging would be about 3x what they are for plastic.</p> <p>Our OJ bottles are also made from 50% recycled PET which has a lower carbon footprint than virgin material, our aim is for all of our bottles to be made from 100% recycled or renewable material by 2025.</p> <p>We've also lightweighted many out bottles over the past couple of years. Our 900ml bottle for example was lightweighted from 38 to 34g in 2020 saving 10% of plastic but also 10% of the carbon as well.</p> <p>We also work with all of our main packaging suppliers through our Hero Supplier Programme. Through this programme we encourage suppliers to improve their sustainability performance in a number of areas including on reducing carbon emissions. We know for example that many of our packaging suppliers are using renewable electricity and the plan is to support them all to do so by the end of 2023.</p>
2%	Bottling	<p>The orange juice and the packaging come together into the final product in our bottling factories. These factories typically use gas and electricity to generate power. Many of our OJ products are bottled in our new carbon neutral factory in Rotterdam. This means the factory is not only super energy efficient but it doesn't use any gas at all and all of the electricity is 100% renewable. You can find out more about our factory here.</p> <p>We also work with all of our main bottling suppliers through our Hero Supplier Programme. Through this programme we encourage suppliers to improve their sustainability performance in a number of areas including on reducing carbon emissions. Already 86% of our bottles come from factories using renewable electricity.</p>
15%	Finished goods transport	<p>When it leaves our factory most of our orange juice travels, via refrigerated truck to warehouses owned by our customers – the supermarkets.</p> <p>We do a lot of work in this area optimising our network, which essentially means making sure we are moving things around as little as possible.</p> <p>We also work with all of our logistics suppliers through our Hero Supplier Programme. Through this programme we encourage suppliers to improve their sustainability performance in a number of areas including on reducing carbon emissions. For our logistics suppliers this includes using efficient vehicles, supporting renewable energy use in warehouses and driver training.</p>





% of emissions	Step in the supply chain	What happens and what are we doing to reduce our emissions
14%	Retail logistics and stores	This leg will include our customers driving products to store and then the energy used to refrigerate our drinks before you pick them up off the shelf. Most of our major customers have Science Based Targets of their own in place and also have commitments about using renewable energy in store.
negligible	Customer use	This isn't a significant impact area for our drinks as most customers will use modern efficient fridges and as our products are fresh they don't tend to hang around in the fridge for long. One of the best things you can do to reduce your own personal footprint is to switch to a green, renewable energy tariff.
negligible	End of life for packaging	One of the most important things we can do to reduce the carbon impacts of our packaging is to ensure it gets collected, sorted and recycled. That is why we are firm supporters of systems that result in high recycling rates for plastic bottles. One of the biggest things we are doing in this space is supporting the introduction of Deposit Return Systems which have much higher rates than kerbside collection systems. You can read more about what we are doing in this space here.
negligible	End of life for packaging	<p>This bit isn't strictly linked to making our juice but we also create emissions from our offices and our staff travel as well. This comes in the form of heating and power for our offices but also emissions associated with our staff traveling by car, rail, boat or airplane.</p> <p>We are busy taking action in these areas as well. All of our offices are now powered by renewable electricity and we are working to move away from using gas to heat our offices by 2030. As for staff travel we have recently released a new staff travel guidance which encourages staff to travel via the lowest carbon route.</p>

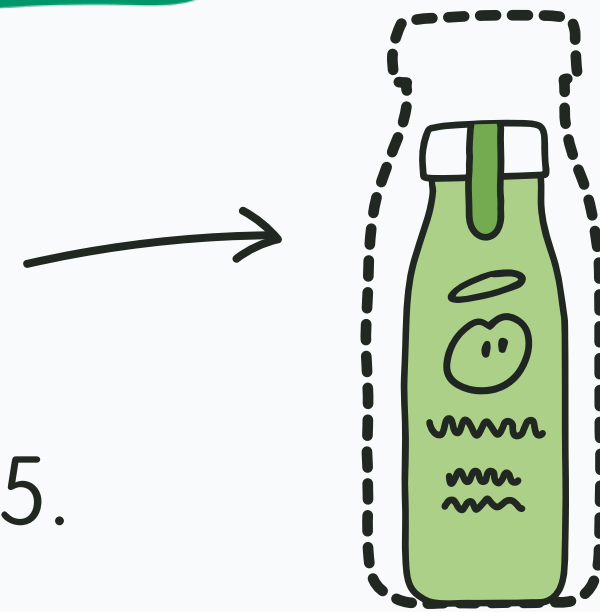


Some examples of what we are doing to reduce our emissions?



We have just finished building a super energy efficient factory of the future that will only use wind and solar power.

We are making removing packaging, making it lighter and moving to 100% recycled or renewable material by 2025. These actions all save carbon.



farmer innovation fund

In 2021, we launched our first "Farmer innovation fund" that supports our farmers to reduce emissions from growing their fruit.

We engage our top 50 suppliers in our "Hero Supplier Programme". This includes pushing them to use less energy, more renewables and adopt Science Based Targets.



We are investing in alternative fuel trucks (these ones are electric), optimising our logistics network and moving to train where possible.

