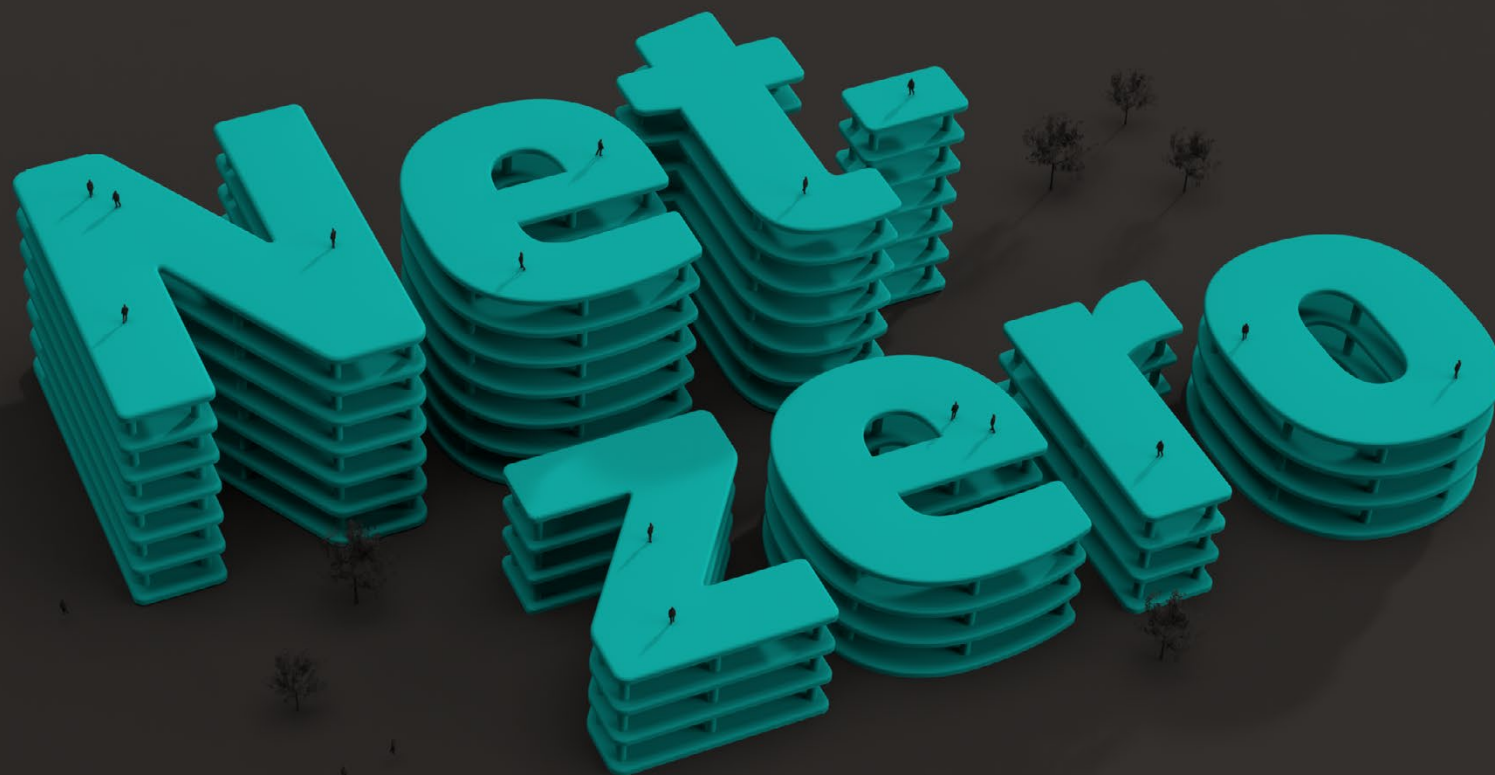


Going net-zero.

Our carbon commitment.

April 2021





AKT II commits to be a net-zero carbon business.

In 2017 we chose to make a significant commitment moving the business to our new HQ at the White Collar Factory. This office building, which we helped to design, is critically acclaimed for its environment friendliness, achieving BREEAM Outstanding and LEED Platinum.

We consciously made the bold decision to move to such a building to show our commitment to the climate change movement and reduction of our carbon footprint.

As an environmentally friendly business we are focused on reducing carbon footprint both via our design engineering services and in the way we run our business operations. We are recognised as a 'Carbon Neutral +' organisation.

"As we reach 25 years of working and influencing the built environment, we have a duty to respond and drive change both in our operations and our projects. Reaching operational net-zero is a step in the right direction, and we are prepared to do much more."

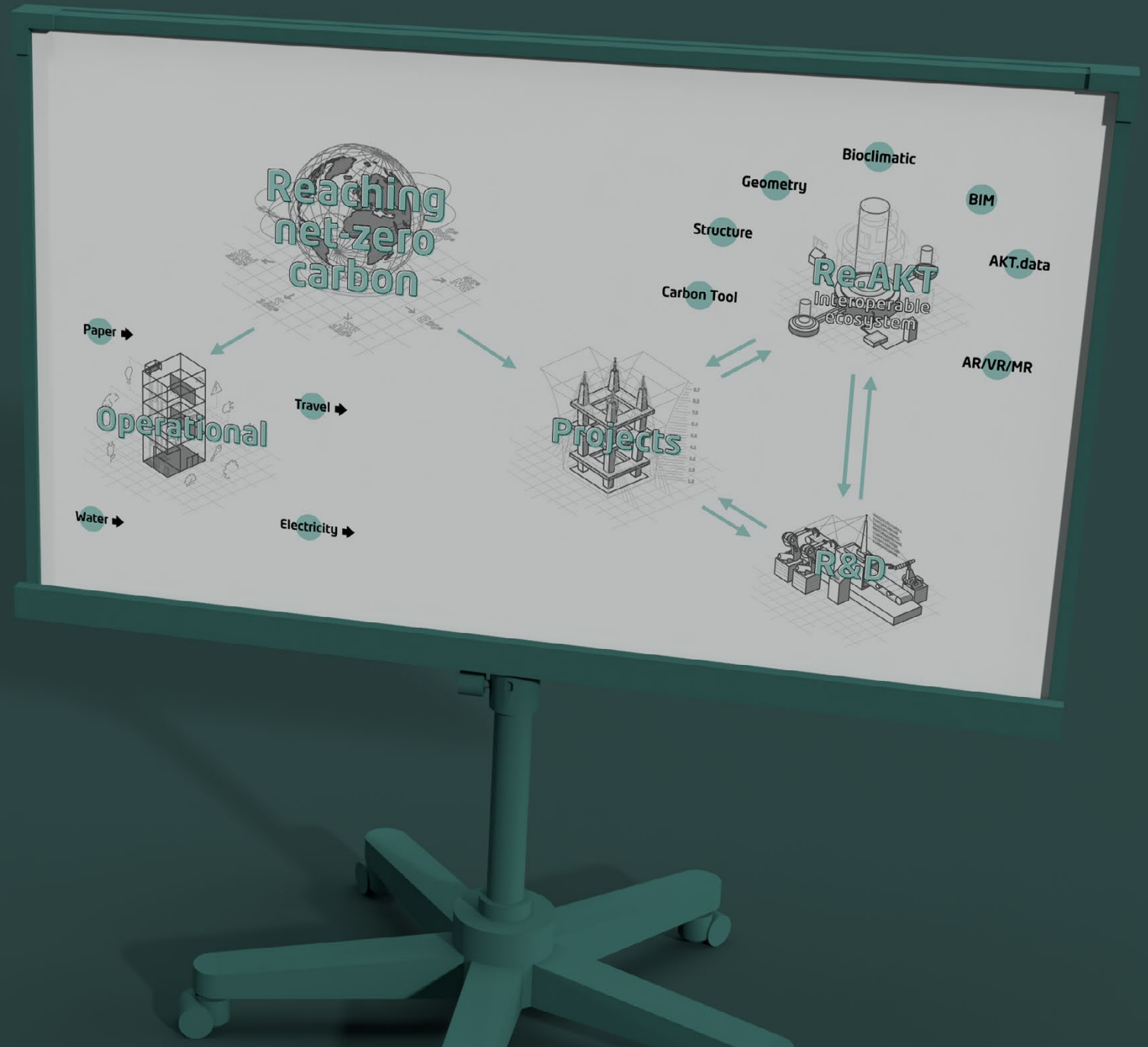
Marta Galiñanes-Garcia,
Design Director & Sustainability Champion

Promoting carbon reduction.

With increasingly successful reductions of operational energy in the built environment, the industry's next challenge is to reduce embodied carbon. Embodied carbon is the total greenhouse gas (GHG) emissions generated to produce built assets.

We know that as designers we play a critical role in effectively minimising the emission of carbon during the design process. As such, AKT II is committed to ensuring that on every project we target the lowest embodied carbon possible.

To do this we have developed a network of tools that allow us to calculate, collaborate, innovate, research and educate. From our interoperable ecosystem *Re.AKT* to *Carbon.AKT*, our interactive carbon app - we advance design, new materials and specifications.



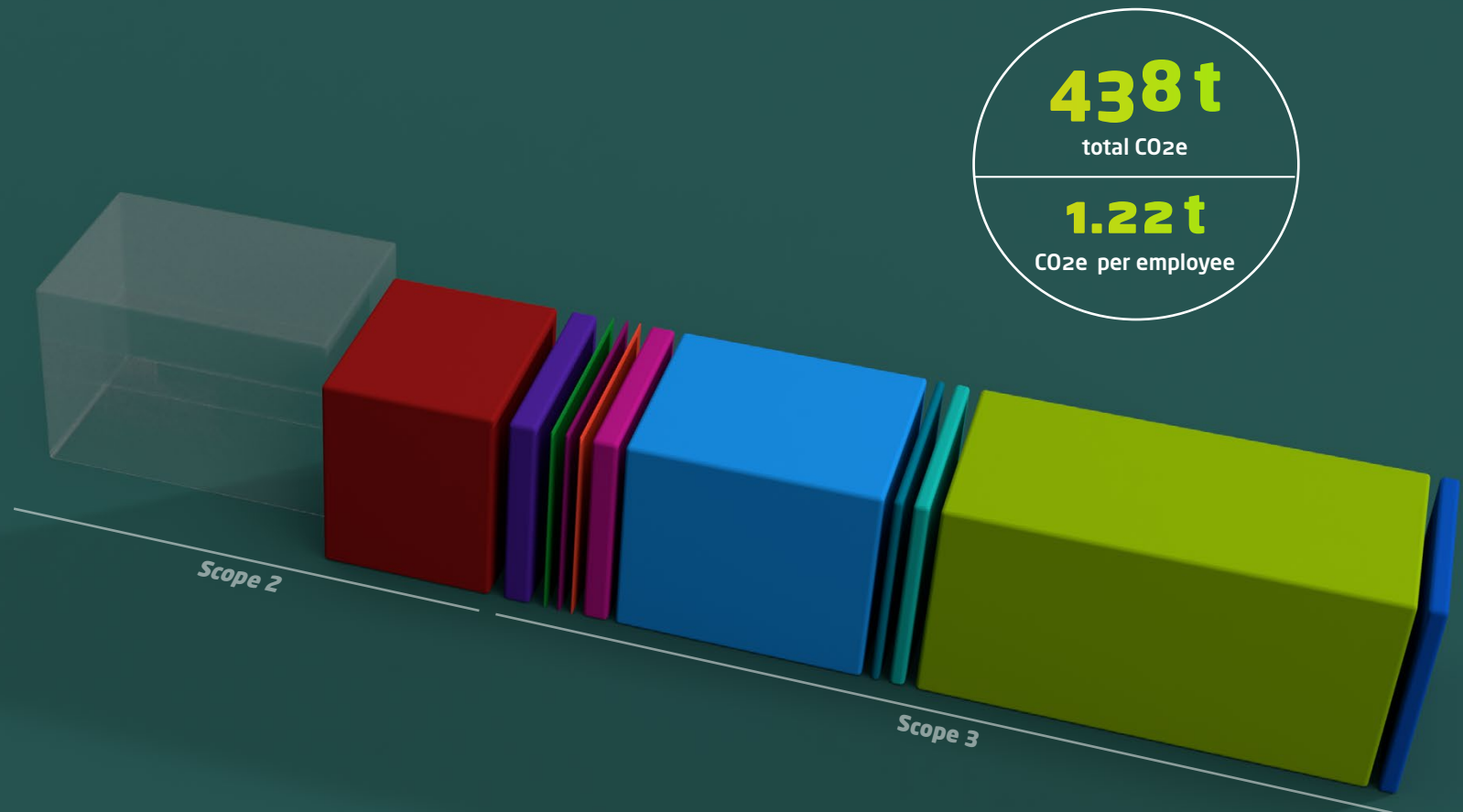
Carbon use in 2019.

The diagram shows our carbon use in 2019 (calculated as baseline with some estimations).

As part of our Environmental Management System, we currently track and monitor our energy (electricity and gas), water, business travel, staff commuting and paper consumption. Our environmental management system is compliant with ISO 14001 and externally certified and audited by LRQA.

Regional offices.

Our offices in Cambridge and Manchester are small (less than 5 % of our total staff) and situated in serviced office spaces. We have estimated their office carbon footprint by allocating estimated emission per staff based on our HQ.



Electricity *
149.3 t CO2e
Already renewable

Heating / cooling (gas)
82.7 t CO2e
19 %

Electricity T & D losses
12.7 t CO2e
3 %

Water (supply)
0.6 t CO2e
< 1 %

Waste water
1.3 t CO2e
< 1 %

Waste **
0.6 t CO2e
< 1 %

Printing paper
11.7 t CO2e
3 %

Staff commute ***
115.2 t CO2e
26 %

Commercial travel - taxi, bus, car
3.9 t CO2e
1 %

Commercial travel - train
6.8 t CO2e
2 %

Commercial travel - flights
196.1 t CO2e
45 %

Regional offices
6.7 t CO2e
2 %

* Our headquarters are located in the White Collar Factory in London. The entire building's ecosystem is very sustainable and won several environmental awards. Our landlord Derwent is committed to Net Zero by 2030. All our HQ's electricity use is from renewable sources and therefore not included in our total reported emissions.

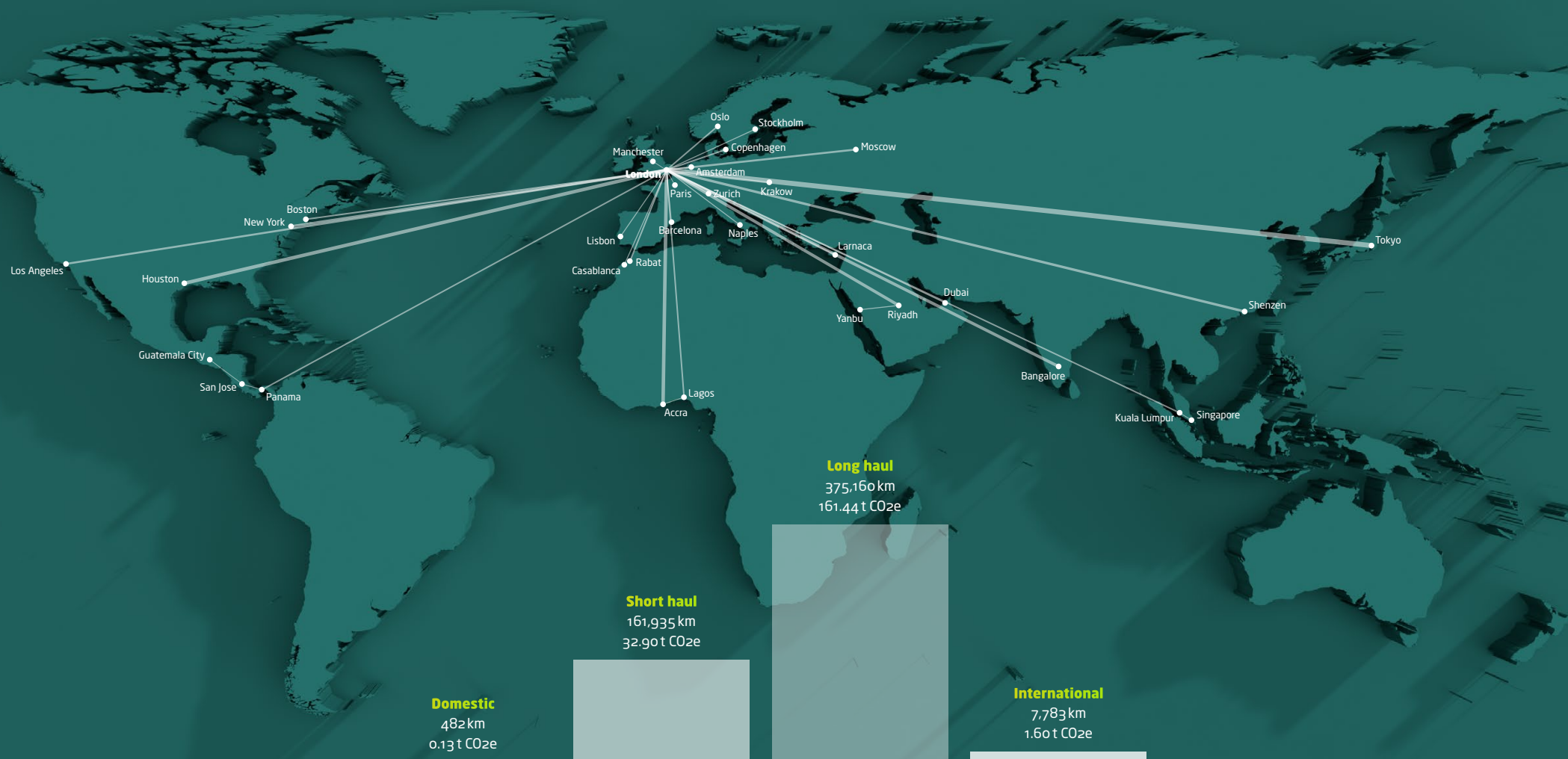
** Only 23 % of our waste is going to landfill.

*** Around 20 % of our staff cycle or walk to the office.

Commercial flights in 2019 overview.

Commercial flights were the single biggest contributor to our carbon use.

Although in 2020, due to the pandemic, our travel footprint has been reduced by 70 %, we continue to promote to our clients our efforts to reduce business travel (especially flights) by further using our digital collaborative platforms, like VC facilities etc.



Carbon use in 2020.

As detailed information was not available to date to calculate our 2020 emissions in regards to electricity, heating / cooling (gas) and water, we have used the 2019 data. As soon as detailed information is available we will update this data. Note that any reductions made due to our office closure following government advice during the Covid-19 pandemic are not reflected in this document.

We have reflected on the climate impacts of working from home, therefore estimated these emissions, and included them in our reporting.

Effects of Covid-19.

Due to the pandemic in 2020, there was a reduction in our business travel by more than 70 %, which has had a positive impact on the environment. Also, we have invested in technology which allows us to work flexibly and reduces the operational cost and environmental impact in relation to the office and business travel.

* Our headquarters are located in the White Collar Factory in London. The entire building's ecosystem is very sustainable and won several environmental awards. Our landlord Derwent is committed to Net Zero by 2030. All our HQ's electricity use is from renewable sources and therefore not included in our total reported emissions.

** Only 23 % of our waste is going to landfill.

*** Around 30 % of our staff cycle or walk to the office.

Electricity *

136.2 t CO_{2e}
Already renewable

Heating / cooling (gas)

82.7 t CO_{2e}
32 %

Electricity T & D losses

11.8 t CO_{2e}
5 %

Water (supply)

0.6 t CO_{2e}
<1 %

Waste water

1.3 t CO_{2e}
<1 %

Waste **

0.2 t CO_{2e}
<1 %

Printing paper

2.8 t CO_{2e}
1 %

Staff commute ***

31.1 t CO_{2e}
12 %

Commercial travel - taxi, bus, car

1.2 t CO_{2e}
<1 %

Commercial travel - train

1.5 t CO_{2e}
<1 %

Commercial travel - flights

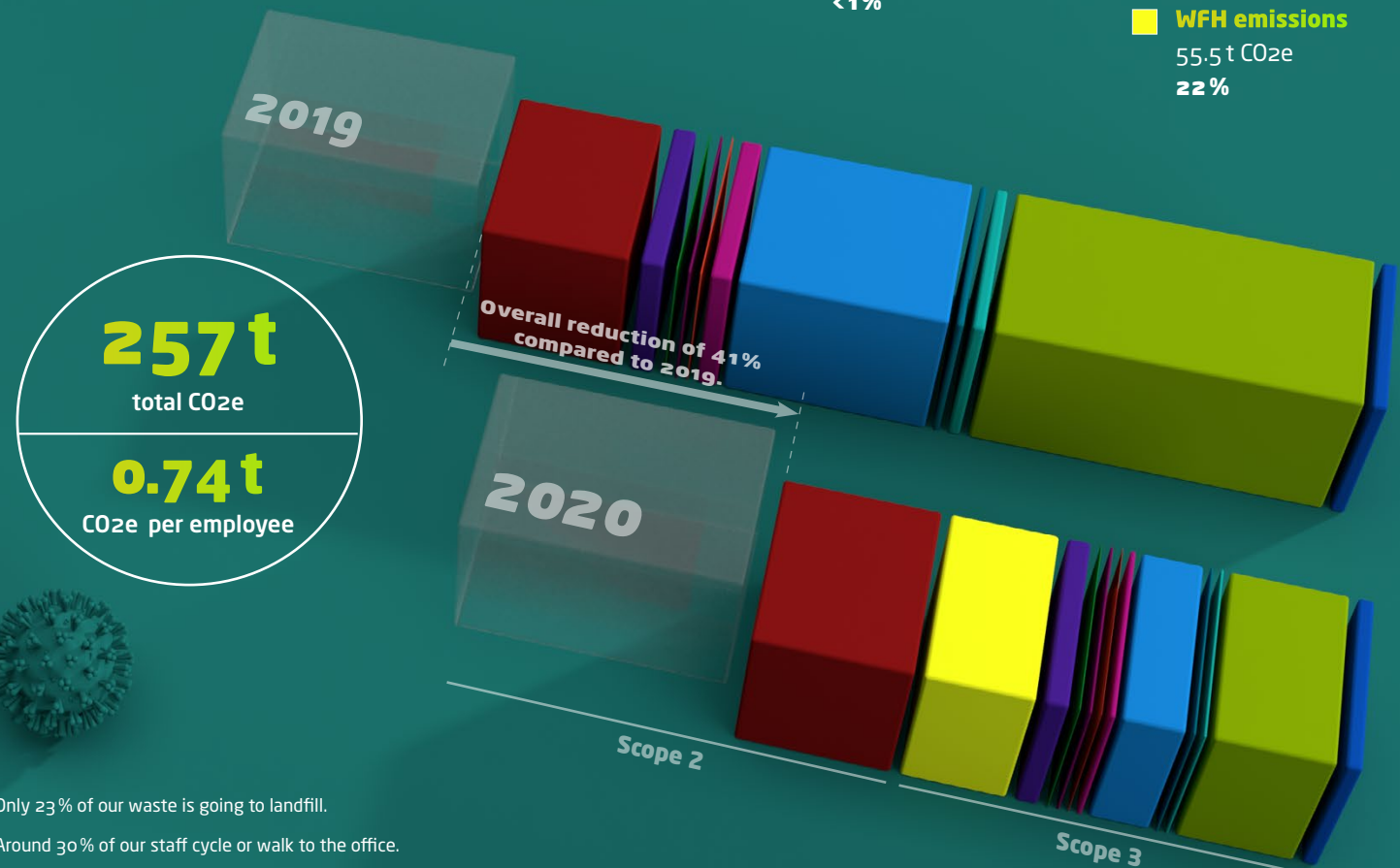
59.8 t CO_{2e}
23 %

Regional offices

8.5 t CO_{2e}
3 %

WFH emissions

55.5 t CO_{2e}
22 %



Our strategy is proactive and is being implemented. We are working to ensure we achieve verification, reductions and as a last resort offset of our 2020 carbon footprint.

The steps outlined below follow the principles of international frameworks for carbon reporting and reductions.

1. Measure.

We have been **measuring our environmental data** for a number of years. Our data comprises electricity, gas (cooling and heating), water, printing, waste, commute and business travel.

2. Act.

We continue to **implement our climate emergency action plan** to reduce our greenhouse gas emissions where possible.

3. Verify.

Our 2020 carbon data will be **verified independently** by a third party.

4. Offset.

In the instances where we cannot reduce emissions we will **offset via recognised offsetting schemes**.

What we are doing in 2021.

Our 2020 carbon data has been assessed and independently verified by a rigorous process from Carbon Footprint Ltd.

We have taken a further step to offset more carbon emissions than what we emitted in 2020, achieving 'Carbon Neutral +' certification. For these we are supporting a certified scheme for planting trees in the UK and for the protection of the Amazon rainforest. The project follows the Verified Carbon Standard (VCS), and is also related to the UN development goals of Quality Education, Climate Action and Life on Land.

We will continue implementing our operational emissions reduction action plans:

- We will further encourage our staff and clients to use collaborative technology as an alternative to travel.
- We will work alongside our landlord to further reduce our office operational emissions where possible.

As climate change and social equality rise to the top of our agendas, we begin to understand how intrinsically they are connected and the great potential they have to drive a positive change in our economy for a recovery that sits within the planetary boundaries and responds to society as a whole.

Reaching operational net-zero is a step in the right direction, and we are prepared to do much more. At AKT II, we have a unique opportunity to apply our knowledge and technical expertise as we make the necessary changes for our planet to find a new balance.



Our commitment for 2021.

- Our established in-house sustainability research group will continue to drive change - this is where we can make the biggest impact - through our involvement in the design and procurement of buildings and surrounding infrastructure in both our current and future projects.
- Our continually evolving Sustainability Charter's framework will drive research and practical application of less resource-hungry buildings which address greenhouse gases, waste and water consumption across all the live projects.
- Utilising our bespoke in-house carbon tools, we will continue working with contractors, suppliers and designers alike to push designs to address the climate emergency and minimise embodied carbon.
- Our infrastructure and bioclimatic teams endeavor to ensure that all projects not only maintain the local environment and conditions, but seek to improve and enhance biodiversity of the surrounding areas.
- Our aim is to ensure that on every project we work on we make a positive change to the local area both from a social and environmental perspective.

Our determination to align the built environment so future generations can thrive in a healthy planet is top of our agenda.

How we calculated our data.

All conversion factors used were extracted from the following sources:

2020

<https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2020>

File name: UK Government GHG Conversion Factors for Company Reporting Condensed Set 2020 v1.0

Units: kg CO₂e

2019

<https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2019>

File name: UK Government GHG Conversion Factors for Company Reporting Condensed Set 2019 v1.3

Units: kg CO₂e



Carbon
Neutral
Organisation

