



CARBON REDUCTION PLAN

Supplier name: Arup (Ove Arup & Partners International Ltd, Ove Arup & Partners Ltd)

Publication date: 26 September 2023

Commitment to achieving Net Zero

Arup is committed to achieving Net Zero emissions by 2030.

Baseline Emissions Footprint

Baseline Year: 2018/19

Additional Details relating to the Baseline Emissions calculations

Arup's Category 4. Upstream transportation and distribution emissions are captured within Category 1. Purchased goods and services and Category 2. Capital goods category. The spend based methodology used for Category 1 and 2 includes allowance for all upstream emissions including transportation. It is not possible for us to report these emissions separately at this time.

Arup does not have any Category 9. Downstream transportation and distribution impacts.

The emissions presented are for Arup Group and account for our emissions globally.

Baseline year emissions:

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	1,416
Scope 2	7,531
Scope 3	182,715
(Included Sources)	Made up of the following categories ¹ :
	<ul style="list-style-type: none">1. Purchased goods and services2. Capital goods5. Waste generated in operations6. Business travel7. Employee commuting
Total Emissions	191,662

¹ As defined by the GHG Protocol <https://ghgprotocol.org/standards/scope-3-standard>

Current Emissions Reporting

Reporting Year: 2022/23

EMISSIONS

TOTAL (tCO₂e)

Scope 1

1,370

Scope 2

530¹

Scope 3

191,669

(Included Sources)

Made up of the following categories:

- 1. Purchased goods and services
- 2. Capital goods
- 5. Waste generated in operations
- 6. Business travel
- 7. Employee commuting
- Employee homeworking **New inclusion 2021/22*

Total Emissions

193,569

Emissions reduction targets

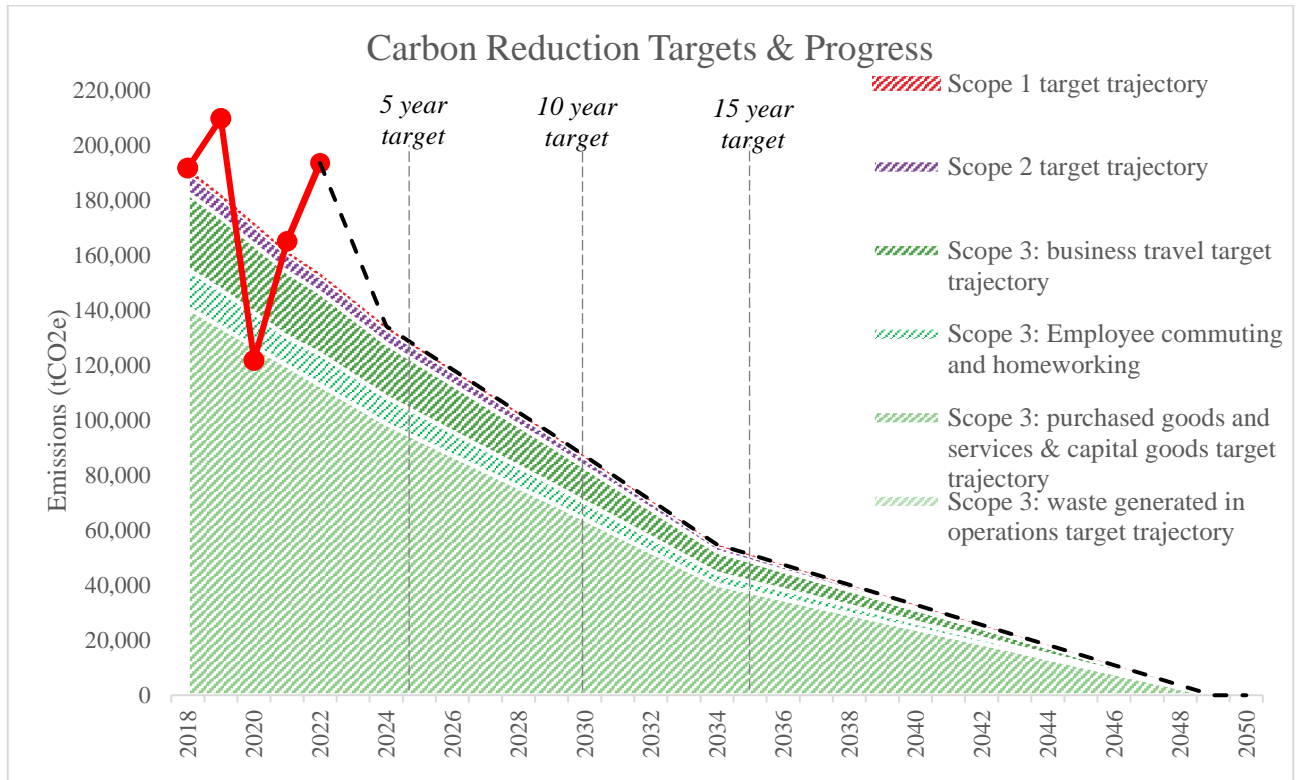
Arup has made a commitment to be a net zero organisation by 2030. We will achieve this by pursuing an ambitious 1.5°C aligned science-based target for our full value chain emissions and compensating residual hard-to-decarbonise emissions with certified greenhouse gas removal.

To achieve net zero emissions in our operations by 2030 we will

- Reduce absolute Scope 1 and 2 GHG emissions globally 30% by 2025 from a 2018 base year.
- Reduce Scope 3 GHG emissions globally 30% by 2025 from 2018 base year.
- Purchase Gold Standard certified offsets that remove greenhouse gases to offset all domestic and international flights.
- From 2030 compensate for other residual hard-to decarbonise emissions with high quality certified greenhouse gas removal.

Our targets and progress can be seen in the graph below. Employee commuting does not have its own reduction trajectory as this is a new metric for Arup to capture emissions exported elsewhere following the implementation of our flexible working approach, but it is included within the action emissions total in the trendline.

¹ Using the market-based method. Location-based scope 2 emissions for 2022/23 were 7,168tCO₂e.



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

In January 2019 we set out to achieve net zero and had our Science-based target verified by the Science Based Targets initiative (SBTi) in March 2020.

We published our baseline emissions report in January 2020.

We publicised our commitment in September 2020, and the related Net Zero Carbon Strategy (attached) sets out our plan to reach Net Zero by 2030.

The following environmental management measures and projects have been completed or implemented since the 2018 baseline:

- We established a global Greenhouse Gas Steering Group with responsibility for driving activities to reduce our emissions. This Steering Group reports to Arup Group Board.
- We established a carbon levy on our business travel in September 2019 to disincentivise air travel and use the funds both to offset business travel flights and to fund projects to support the decarbonisation of our operations. This increased to \$125 / tCO₂e in 2022.
- We have invested in a supplier engagement programme to better understand the emission of our top suppliers and to collaborate to collectively reduce emissions.
- We have invested in projects to explore opportunities to support community energy, to install renewables in our offices and to support our SME suppliers to decarbonise.
- We implemented flexible working and committed to a 20% reduction in commuting emissions, which we have achieved.

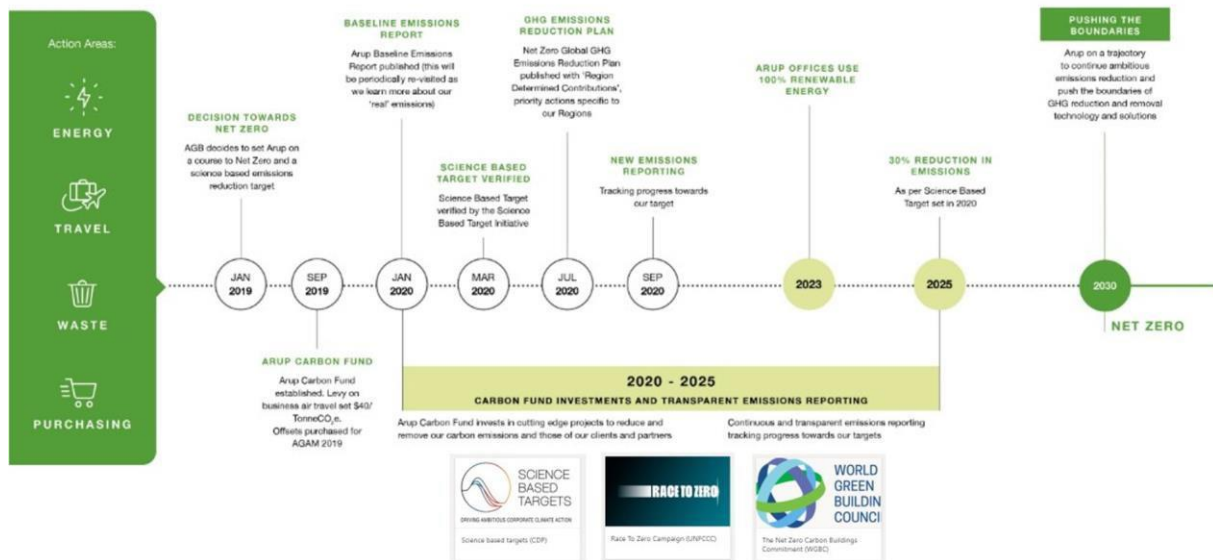
- We have recruited specialists in key roles to support our work to focus on supply chain decarbonisation.
- We are investing in energy efficiency measures to reduce electricity consumption across our portfolio and have procured 100% renewable electricity.

Arup's overall carbon footprint has increased by 1% from the baseline year, although during this time emissions per capita have decreased by 26%. Arup in capita terms has grown by 37% from the baseline year. We have achieved our scope 1 and 2 emissions reduction target for March 2025, but have more work to do to achieve our scope 3 reduction target.

Arup's combined scope 1 and 2 emissions have decreased by 76% since the baseline year and will decrease further in the next financial year as we continue to move away from gas heating in our property portfolio.

Arup's scope 3 footprint has increased by 5% since the baseline year, this is predominantly driven by an increase in expenditure on purchased goods and services by 15%. Our priority over the coming year is to require more of our suppliers to commit to science-based targets.

Arup Commitments to Net Zero



Future Carbon Reduction Initiatives

In our strategy, we have identified the following areas for action:

- **Energy:** procuring renewable energy for all of our offices and increasing energy efficiency across our offices, particularly at point of refurbishment or when selecting new premises.
- **Travel:** use of the travel hierarchy to reduce travel across all modes, embedding this hierarchy within travel plans, assistance/support and encouraging behavioural shifts, e.g. reducing the need to travel, ensuring sustainable options are taken when there remains a need to travel, wider provision of electric vehicles for travel from office for business.
- **Purchasing:** ensuring our suppliers equally commit to reduced carbon emissions, and have plans to achieve this, improved data collection to inform spending decisions.
- **Waste:** continued application of measures to minimise waste; reduce procurement of not needed items, waste segregation, waste behaviour campaigns, waste disposal, recycling where possible. Harnessing principles of circularity to join up our purchasing and waste streams.

Further details are provided in our [Net Zero Carbon Strategy](#).

Declaration and Sign Off

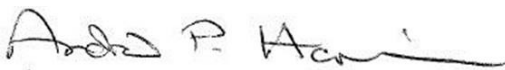
This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard² and uses the appropriate Government emission conversion factors for greenhouse gas company reporting³.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard⁴.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the Supplier:



Andrew Harrison
Director, Corporate Services Leader
Arup Group Limited
Date: 26.09.2023

² <https://ghgprotocol.org/corporate-standard>

³ <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

⁴ <https://ghgprotocol.org/standards/scope-3-standard>